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FROM: Director,  
Division of Program Statistics


SUBJECT: Distribution of the *Life Expectancy, American Indians and Alaska Natives, Data Years: 2007-2009* Report.

I am pleased to send you the current Indian Health Service Life Expectancy Report entitled: *Life Expectancy, American Indians and Alaska Natives, Data Years: 2007-2009*. The Indian Health Service (IHS) Office of Public Health Support (OPHS), Division of Program Statistics (DPS) prepares the *Life Expectancy* report on an annual basis. This report encompasses life tables for the American Indians and Alaska Natives (AI/AN) in the IHS service population by IHS Area and gender for years 2007-2009 with comparable data for the U.S. All Races, White, and Black populations for the mid-year 2008. Life expectancy estimates are adjusted for the misreporting of AI/AN race on state death certificates.

This report was prepared by JoAnn Glakas Pappalardo and Alan Friedman, Demographic Statistics Team (DST), DPS, OPHS. DST acknowledges contributions from Priscilla Sandoval (Program Analyst), Jennifer Joseph (Staff Assistant), and Linda Querec (IHS contractor).

Questions pertaining to the *Life Expectancy, American Indians and Alaska Natives, Data Years: 2007-2009* report can be directed to JoAnn G. Pappalardo, Senior Statistician, IHS, OPHS, DPS (email: [joann.pappalardo@ihs.gov](mailto:joann.pappalardo@ihs.gov)).

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# Life Expectancy

## American Indians and Alaska Natives

**Data Years: 2007-2009**

U. S. Department of Health and Human Services  
Indian Health Service  
Office of Public Health Support  
Division of Program Statistics  
Demographic Statistics Team

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# **LIFE TABLES FOR THE AMERICAN INDIAN AND ALASKA NATIVE IHS SERVICE POPULATION BY IHS AREA AND GENDER, 2007-2009, WITH COMPARABLE DATA FOR THE U. S. ALL RACES, WHITE, AND BLACK POPULATIONS, 2008**

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U. S. Department of Health and Human Services  
Indian Health Service  
Office of Public Health Support  
Division of Program Statistics

This report was prepared by JoAnn Glakas Pappalardo (Senior Statistician) and Alan Freidman (Health Statistician) Demographic Statistics Team (DST), Division of Program Statistics.

Additional American Indian and Alaska Native health status information can be obtained from the Demographic Statistics Team.

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## **INTRODUCTION**

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Life tables are a comprehensive measure of the effect of mortality on life expectancy and are a more refined means of measuring mortality levels in a population than crude, age-specific, or age-adjusted mortality rates. They allow comparison of mortality rates between populations without requiring adjustment to an actual standard population in order to account for differences in age distributions between those populations.

Life tables are routinely prepared by the National Center for Health Statistics (NCHS) by race/ethnicity and gender. NCHS does not, however, prepare life tables for the American Indian and Alaska Native (AI/AN) population. The purpose of this report is to provide life tables for the AI/AN population residing in the service area in which the Indian Health Service (IHS) has responsibilities and to make comparisons between Indian life expectancy and the all races, white, and black U.S. populations. This report also includes a discussion of life table definitions and methodology in order to provide a better understanding of life table data. The life tables included in this report are based on three years of data because of the small numbers of American Indian deaths that occur during a single calendar year.

The starting point for the construction of a life table is a series of age-specific mortality rates developed for that population. All other functions in the table evolve from these rates. The other functions include the number of survivors, the number of deaths, the number of person-years lived at a given age, the number of person-years lived after reaching that age, and the expected future life for a person reaching that age.

Life expectancy is not to be confused with life span. Life expectancy, simply put, is the number of years an average person can expect to live and is measurable using current mortality statistics. Life expectancy varies across generations, countries around the world, by race, and by gender. Life span is the maximum number of years a species expects to live under optimum conditions. Life span has probably not changed in recent times; it is a concept that cannot be measured easily.

## **TYPES OF LIFE TABLES**

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### **GENERATION VERSUS PERIOD LIFE TABLES**

It is important to understand some basic concepts regarding life tables. There are two different types of life tables: the generation or cohort life table and the current or period life table. The generation life table is based on the mortality experience of a particular birth cohort, which includes all persons born in a particular year. Preparation of a generation life table requires use of the mortality rates actually experienced by that cohort at each age during its lifetime, until all persons in the cohort have died. It provides a longitudinal picture of the actual lifetime experience of a particular group of people. It is difficult to prepare since it requires compilation of mortality data over a very long period of time, (i.e. 100 years or more), depending on the

number of years the last surviving member of the cohort lives. Because of the extended time period required to complete generation life tables, such tables are seldom prepared.

The current or period life table presented in this report is more commonly used as it is based on a "synthetic" instead of a real birth cohort. A synthetic cohort consists of a population distributed by age as it exists at a particular point in time and is cross-sectional in that it crosses numerous generations and includes people born in many different years. A period life table is representative of the combined mortality experience by age of a cross-section of population at a particular point in time, and is developed based on the applicable age-specific mortality rates for a time era. As such, a synthetic cohort does not represent the actual experience of a real cohort. The current life table provides a "snap shot" of current mortality experience and provides an indicator of the long-term results should current mortality rates prevail.

Both current and generation life tables assume a cohort of 100,000 live births as a starting point. All values generated by the life table evolve from the original 100,000 births.

The current life table itself can be interpreted in two ways. The first interpretation is a birth cohort of 100,000 live births aging over time and subject to the mortality conditions shown over its lifetime. The second interpretation is a "stationary population" in which there are 100,000 live births every year with each birth cohort subject to the same age-specific mortality rates over its lifetime, resulting in a population with an unchanging number and age distribution.

#### **COMPLETE VERSUS ABRIDGED LIFE TABLES**

Complete life tables contain data by single year of age; they use counts of the population enumerated during a decennial census and deaths for a three-year period centered on the decennial census year. Abridged life tables contain data by five-year age intervals and are usually prepared annually; however, for this report they have been prepared using three-year aggregated data because of the relatively small number of AI/ANs residing in the counties included in the IHS service delivery area. Annual abridged life tables are prepared by using the most recent decennial life table as a standard and adjusting abridged life table functions to that standard.

The methodology used here was developed by NCHS and is referred to as, "The revised method of computing life tables by reference to a 'standard' table." The appendix provides a brief description of the methodology.

NCHS developed a report that discusses the methodology in detail.<sup>1</sup> Guidance on how to interpret a life table is also included in the appendix.

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<sup>1</sup> Comparison of Two Methods of Constructing Abridged Life Tables by Reference to a "Standard" Table. Public Health Service Publication Number 1000, Series 2, Number 4. Revised March 1966.

## ADJUSTING FOR MISREPORTING OF INDIAN RACE ON STATE DEATH CERTIFICATES

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Misreporting of Indian race on state death certificates occurs, especially in areas distant from traditional Indian reservations. In order to determine the degree and scope of the misreporting, IHS conducted a study utilizing the National Death Index (NDI) maintained by NCHS. The results of the NDI study provide sufficient numbers to calculate adjustments to the number of deaths by sex for each IHS Area, for IHS overall, and for five-year age groups. **Adjusted life expectancies** are considered to be a more accurate representation of Indian life expectancy than actual life expectancies since they are "adjusted" to account for misreporting of American Indian race on state death certificates. Therefore, the analyses in this report are based upon the adjusted life expectancies. For more information on adjusting for misreporting of Indian race on state Death certificates, see the *Appendix*.

## DATA PRESENTATIONS

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A summary table (Table 1) and 12 charts (Charts A1-D3) for AI/AN life expectancies at birth and for persons at several age groups (20-24 years, 40-44 years, and 60-64 years) are presented in this report. Data are provided by gender (all AI/AN, male, and female), and for each IHS Area. For comparison, the table and accompanying charts show the life expectancies for U. S. all races, U. S. white, and U. S. black populations. Life expectancies for other five-year age groups, in addition to those selected for review in this report, are provided in the detailed life expectancy tables found in the *Appendix* at the end of the report.

The life expectancy data presented in this report are based upon data that have been adjusted for the misreporting of AI/AN race on the death certificate. Unadjusted life expectancy data are included in Table 1. Detailed unadjusted life expectancy tables for each of the 12 IHS Areas are available upon request from the Division of Program Statistics. See *Introduction* for contact information.



**LIFE EXPECTANCY AT BIRTH  
(TABLE 1 AND CHARTS A1, A2, AND A3)**

**Table A. Life expectancy at birth, 2007-2009**

	IHS AREA	ADJUSTED (Years of Life Remaining)
1	Nashville	82.3
2	California	77.3
3	Albuquerque	76.4
4	Phoenix	76.2
5	Navajo	75.9
6	Portland	74.9
7	Tucson	73.3
8	Alaska	72.3
9	Bemidji	70.6
10	Oklahoma	70.3
11	Great Plains (Aberdeen)	69.6
12	Billings	69.4

Life expectancy at birth for all twelve IHS Areas was 73.7 years (2007-2009). Comparable data for U.S. population (2008) were all races 78.1, white 78.5, and black 74.0.

For each IHS Area, life expectancies for females were higher than those for males. To measure the magnitude of this difference, ratios between the female life expectancies and the male life expectancies by IHS Area are presented (see Table 1). These ratios varied from 1.04 in Nashville to 1.14 in Navajo. For all twelve IHS Areas this ratio was 1.10 (2007-2009). The comparable female to male ratios for the (2008) U.S. all races, white, and black populations were 1.07, 1.06, and 1.04 respectively.

**YEARS OF LIFE REMAINING FOR PERSONS 20-24 YEARS OF AGE  
(TABLE 1 AND CHARTS B1, B2, AND B3)**

**Table B. Years of life remaining at 20-24 years, 2007-2009**

	IHS AREA	ADJUSTED (Years of Life Remaining)
1	Nashville	63.6
2	California	58.7
3	Albuquerque	57.6
4	Phoenix	57.3
5	Navajo	57.2
6	Portland	56.2
7	Tucson	54.7
8	Alaska	54.2
9	Bemidji	52.1
10	Oklahoma	52.0
11	Great Plains (Aberdeen)	51.4
12	Billings	51.2

The years of life remaining for the age group 20-24 years for all twelve IHS Areas was 55.2 years. Comparable data for U.S. populations (2008) were all races 57.6, white 57.9, and black 54.1 years.

Ratios of female to male years of life remaining for AI/AN in the age group 20-24 years varied from 1.04 for Nashville to 1.18 for Navajo. For all twelve IHS Areas this ratio was 1.12. The comparable ratios for the U.S. all races, white, and black populations were 1.09, 1.08, and 1.12, respectively.

**YEARS OF LIFE REMAINING FOR PERSONS 40-44 YEARS OF AGE  
(TABLE 1 AND CHARTS C1, C2, AND C3)**

**Table C. Years of life remaining at 40-44 years, 2007-2009**

	IHS AREA	ADJUSTED (Years of Life Remaining)
1	Nashville	45.6
2	Navajo	40.7
3	California	40.7
4	Albuquerque	40.5
5	Phoenix	39.9
6	Portland	38.4
7	Tucson	37.6
8	Alaska	37.1
9	Billings	35.3
10	Oklahoma	35.1
11	Bemidji	34.5
12	Great Plains (Aberdeen)	34.1

The years of life remaining for the age group 40-44 years for all twelve IHS Areas was 38.0 years. Comparable data for U.S. populations (2008) were all races 38.7, white 38.9, and black 34.8.

Ratios of female to male years of life remaining for AI/AN in the age group 40-44 years varied from 1.04 for Nashville and Oklahoma to 1.19. For the twelve IHS Areas this ratio was 1.14. The comparable ratios for the U.S. all races, white, and black populations were 1.11, 1.11, and 1.16 respectively.

**YEARS OF LIFE REMAINING FOR PERSONS 60-64 YEARS OF AGE  
(TABLE 1 AND CHARTS D1, D2, AND D3)**

**Table D. Years of life remaining at 60-64 years, 2007-2009**

	IHS AREA	ADJUSTED (Years of Life Remaining)
1	Nashville	29.7
2	Navajo	24.9
3	California	24.8
4	Albuquerque	24.6
5	Phoenix	24.6
6	Tucson	23.7
7	Portland	22.6
8	Alaska	21.6
9	Billings	20.5
10	Oklahoma	20.4
11	Great Plains (Aberdeen)	19.5
12	Bemidji	19.3

The years of life remaining for the age group 60-64 years for all twelve IHS Areas was 22.6 years. Comparable data for U.S. populations (2008) were all races 21.5, white 21.6, and black 19.8 years.

Ratios of female to male years of life remaining for AI/AN in the age group 60-64 varied from 1.00 for Nashville to 1.26 for Oklahoma. For the twelve IHS Areas this ratio was 1.17. The comparable ratios for the U.S. all races, white, and black populations were 1.15, 1.15, and 1.09 respectively.



**Table 1. LIFE EXPECTANCY AT SELECTED AGES AND RELATIVE RANKINGS OF AMERICAN INDIANS AND ALASKA NATIVES RESIDING IN IHS SERVICE AREAS, 2007-2009**

**A. LIFE EXPECTANCY AT BIRTH (Years of life remaining)**

	Both Sexes			Male			Female			Ratio (Female: Male)
	UNADJ	ADJ	RANK (ADJ)	UNADJ	ADJ	RANK (ADJ)	UNADJ	ADJ	RANK (ADJ)	
<b>IHS (All 12 Areas)</b>	76.3	73.7		73.0	70.4		79.5	77.1		1.1
<b>Alaska</b>	73.3	72.3	(8)	70.8	69.9	(7)	75.8	74.8	(8)	1.1
<b>Albuquerque</b>	77.2	76.4	(3)	73.7	72.7	(5)	80.5	79.8	(4)	1.1
<b>Bemidji</b>	73.4	70.6	(9)	70.5	67.7	(9)	76.4	73.6	(10)	1.1
<b>Billings</b>	70.6	69.4	(12)	67.5	66.3	(11)	73.6	72.6	(12)	1.1
<b>California</b>	83.4	77.3	(2)	80.5	74.2	(2)	86.1	80.5	(3)	1.1
<b>Great Plains</b>	70.1	69.6	(11)	66.2	65.8	(12)	73.8	73.3	(11)	1.1
<b>Nashville</b>	84.9	82.3	(1)	84.0	80.9	(1)	86.4	84.1	(1)	1.0
<b>Navajo</b>	76.1	75.9	(5)	71.3	71.1	(6)	80.9	80.7	(2)	1.1
<b>Oklahoma</b>	76.1	70.3	(10)	72.4	66.7	(10)	79.7	74.0	(9)	1.1
<b>Phoenix</b>	77.0	76.2	(4)	74.0	73.0	(3)	80.0	79.3	(5)	1.1
<b>Portland</b>	76.5	74.9	(6)	74.3	72.8	(4)	78.4	76.9	(7)	1.1
<b>Tucson</b>	74.0	73.3	(7)	70.2	69.3	(8)	77.5	77.0	(6)	1.1
<i>U.S. All Races (2008)</i>	78.1			75.6			80.6			1.1
<i>U.S. White (2008)</i>	78.5			76.1			80.9			1.1
<i>U.S. Black (2008)</i>	74.0			70.6			77.2			1.1

**B. LIFE EXPECTANCY, PERSONS 20-24 YEARS (Years of life remaining)**

	Both Sexes			Male			Female			Ratio (Female: Male)
	UNADJ	ADJ	RANK (ADJ)	UNADJ	ADJ	RANK (ADJ)	UNADJ	ADJ	RANK (ADJ)	
<b>IHS (12 Areas)</b>	57.6	55.2		54.4	52.0		60.6	58.4		1.1
<b>Alaska</b>	55.1	54.2	(8)	52.7	51.9	(7)	57.3	56.5	(8)	1.1
<b>Albuquerque</b>	58.4	57.6	(3)	55.1	54.1	(5)	61.5	60.9	(4)	1.1
<b>Bemidji</b>	54.7	52.1	(9)	52.0	49.4	(9)	57.4	54.7	(11)	1.1
<b>Billings</b>	52.3	51.2	(12)	49.3	48.1	(12)	55.3	54.3	(12)	1.1
<b>California</b>	64.2	58.7	(2)	61.3	55.6	(2)	66.8	61.8	(2)	1.1
<b>Great Plains</b>	51.8	51.4	(11)	48.2	47.8	(11)	55.2	54.8	(10)	1.1
<b>Nashville</b>	65.8	63.6	(1)	65.1	62.4	(1)	67.1	65.2	(1)	1.0
<b>Navajo</b>	57.4	57.2	(5)	52.8	52.5	(6)	62.0	61.8	(3)	1.2
<b>Oklahoma</b>	57.3	52	(10)	53.7	48.5	(10)	60.7	55.5	(9)	1.1
<b>Phoenix</b>	58.1	57.3	(4)	55.1	54.3	(3)	61.0	60.3	(5)	1.1
<b>Portland</b>	57.6	56.2	(6)	55.7	54.3	(4)	59.4	58.1	(7)	1.1
<b>Tucson</b>	55.1	54.7	(7)	51.5	50.8	(8)	58.4	58.2	(6)	1.1
<i>U.S. All Races (2008)</i>	57.6			55.2			59.9			1.1
<i>U.S. White (2008)</i>	57.9			55.5			60.1			1.1
<i>U.S. Black (2008)</i>	54.1			50.8			57.0			1.1

( ) = Area Office rank.

UNADJ = Unadjusted; data not adjusted to compensate for misreporting of AI/AN race on state death certificates.

ADJ = Adjusted; data adjusted to compensate for misreporting of AI/AN race on state death certificates.



Table 1. (Continued) LIFE EXPECTANCY AT SELECTED AGES AND RELATIVE RANKINGS OF AMERICAN INDIANS AND ALASKA NATIVES RESIDING IN IHS SERVICE AREAS, 2007-2009

C. LIFE EXPECTANCY, PERSONS 40-44 YEARS (Years of life remaining)

	Both Sexes			Male			Female			Ratio (Female: Male)
	UNADJ	ADJ	RANK (ADJ)	UNADJ	ADJ	RANK (ADJ)	UNADJ	ADJ	RANK (ADJ)	
IHS (12 Areas)	39.9	38		37.4	35.3		42.2	40.4		1.1
Alaska	37.8	37.1	(8)	36.2	35.5	(7)	39.3	38.6	(8)	1.1
Albuquerque	41.2	40.5	(4)	38.6	37.7	(3)	43.4	42.9	(4)	1.1
Bemidji	36.6	34.5	(11)	34.1	32.1	(10)	39.0	36.9	(11)	1.1
Billings	36.2	35.3	(9)	33.7	32.8	(9)	38.4	37.6	(10)	1.1
California	45.4	40.7	(2)	42.9	37.9	(2)	47.7	43.4	(3)	1.1
Great Plains	34.5	34.1	(12)	31.6	31.2	(12)	37.1	36.7	(12)	1.2
Nashville	47.4	45.6	(1)	47.2	44.8	(1)	48.3	46.7	(1)	1.0
Navajo	40.8	40.7	(3)	37.6	37.4	(5)	43.8	43.6	(2)	1.2
Oklahoma	39.2	35.1	(10)	36.1	32.0	(11)	42.1	38.1	(9)	1.2
Phoenix	40.5	39.9	(5)	38.3	37.6	(4)	42.6	42.1	(5)	1.1
Portland	39.5	38.4	(6)	38.0	36.9	(6)	40.8	39.7	(7)	1.1
Tucson	38.1	37.6	(7)	35.3	34.6	(8)	40.4	40.2	(6)	1.2
U.S. All Races (2008)	38.7			36.7			40.6			1.1
U.S. White (2008)	38.9			36.9			40.8			1.1
U.S. Black (2008)	35.7			32.9			38.1			1.2

D. LIFE EXPECTANCY, PERSONS 60-64 YEARS (Years of life remaining)

	Both Sexes			Male			Female			Ratio (Female: Male)
	UNADJ	ADJ	RANK (ADJ)	UNADJ	ADJ	RANK (ADJ)	UNADJ	ADJ	RANK (ADJ)	
IHS (12 Areas)	24.2	22.6		22.4	20.7		25.7	24.2		1.2
Alaska	22.2	21.6	(8)	20.7	20.1	(8)	23.4	22.9	(8)	1.1
Albuquerque	25.2	24.6	(4)	23.8	23.1	(3)	26.2	25.8	(4)	1.1
Bemidji	21.0	19.3	(12)	19.1	17.4	(12)	22.7	21.1	(11)	1.2
Billings	21.2	20.5	(9)	19.4	18.7	(9)	22.6	22.0	(10)	1.2
California	28.7	24.8	(3)	26.9	22.6	(4)	30.3	26.8	(2)	1.2
Great Plains	19.8	19.5	(11)	18.0	17.7	(11)	21.3	21.0	(12)	1.2
Nashville	31.3	29.7	(1)	32.1	29.9	(1)	31.1	29.9	(1)	1.0
Navajo	25.0	24.9	(2)	22.8	22.6	(5)	26.7	26.7	(3)	1.2
Oklahoma	23.6	20.4	(10)	21.2	17.9	(10)	25.6	22.6	(9)	1.3
Phoenix	25.1	24.6	(5)	24.0	23.4	(2)	26.1	25.6	(5)	1.1
Portland	23.6	22.6	(7)	22.3	21.4	(7)	24.5	23.6	(7)	1.1
Tucson	24.1	23.7	(6)	22.3	21.7	(6)	25.4	25.1	(6)	1.2
U.S. All Races (2008)	21.5			19.9			22.8			1.1
U.S. White (2008)	21.6			20.0			22.9			1.1
U.S. Black (2008)	19.8			17.6			21.5			1.2

( ) = Area Office rank.

UNADJ = Unadjusted; data not adjusted to compensate for misreporting of AI/AN race on state death certificates.

ADJ = Adjusted; data adjusted to compensate for misreporting of AI/AN race on state death certificates.

# APPENDIX

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## CONSTRUCTING ABRIDGED LIFE TABLES

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### LIFE TABLE VALUES

The life tables in this report include the basic life table functions commonly shown as part of a published life table. The columns in a life table are identified by mathematical symbols as described below.

- ${}_nQ_x$  The probability of dying during the age interval.
- $l_x$  The number of persons out of the original 100,000 live births who are still alive at the beginning of the age interval.
- ${}_nd_x$  The number dying during the specified age interval.
- ${}_nL_x$  The number of person-years lived during the specified age interval.
- $T_x$  The total number of person-years that will be lived from the beginning of the specified age interval until the last person in the cohort dies.
- $e_x^o$  Life expectancy, the average number of years remaining in the lifetime of a person alive at the beginning of the specified age interval.

### PRELIMINARY LIFE TABLE DATA

The following preliminary life table data are not published as part of a life table but are used to generate the life table values described above. Some of these data are fixed constants which have been developed by NCHS for standardizing the abridged tables to the complete decennial life tables. Other preliminary data include mortality and population data used to develop mortality rates. The preliminary data are as follows:

- ${}_nA_x$  A set of constants derived by NCHS from the complete decennial life table used as the standard table. These constants are used as adjustment factors to convert the age-specific mortality rates into  ${}_nq_x$ , the probability of dying for each age interval. The conversion of the observed  ${}_nM_x$  to the  ${}_nq_x$  in the abridged life table is based on the relationship of the  ${}_nM_x$  to the  ${}_nq_x$  in the table being used as the standard. The A constant differs by race and by gender.
- ${}_nB_x$  A set of constants derived by NCHS from the complete decennial life table that is used as the standard table. These constants represent the distribution of deaths within the age interval. They are used to compute  ${}_nL_x$ , the number of person years lived during the age interval. Their computation assumes that the age distribution of those dying within the interval is the same within the abridged table as it is within the standard table. The B constant differs by race and by gender.

${}_nP_x$  The estimated midyear population for the age interval.

${}_nD_x$  The number of deaths for the age interval.

${}_nM_x$  The age-specific death rate for the age interval.

$1+{}_nA_x*{}_nM_x$  A set of adjustment factors used to convert the observed population age-specific mortality rates into the probability of dying, or  ${}_nq_x$  using the  ${}_nA_x$  constant defined above.

Several additional factors that are called into the computations within columns of the spreadsheet are not normally shown individually in a life table. These include an F factor, a separation factor, and an end value constant. These computations are prepared for both genders combined and for each gender separately using different constants for the factors for each of these three population groups.

The **F factor** is used to adjust proportionately the age-specific death rates for the number of deaths with age not stated. It is computed for each life table based on number of deaths not stated in the population under study.

The **separation factor** is a constant developed by NCHS that is incorporated into the formula computing the infant mortality rate. Normally, the infant mortality rate is computed simply by dividing the number of infant deaths in a given year by the number of births in that year even though infant deaths do not always occur in the year of birth. The purpose of the separation factor is to separate infants dying at less than one year of age into those born in that same year from those born in the previous year. The infant mortality rate is then computed in two parts, using the appropriate number of births as the denominator for the infant deaths which have been "separated" by year of birth.

The **end-value constant** is developed by NCHS and used to compute the number of remaining person-years lived for those age 85 years and older. This is necessary because this age group is an open-ended interval.

## HOW TO INTERPRET A LIFE TABLE

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Although a life table contains a multitude of numbers and formulas, the primary interest of a life table user is most likely one number, the expected years of life at birth. This number (the expected years of life at birth) is shown as the first number in column seven on each of the life tables (A1-A39). The purpose of all other numbers and formulas within the table is the generation of that number. Life tables are usually prepared by gender because of the substantial difference found between the life expectancy of males and females.

In order to understand the life table concept it is important to understand life table functions and how they are interrelated.

Preliminary life table data are not presented in this report except for  ${}_nB_x$  that is used to compute  ${}_nQ_x$ , the proportion or probability of dying during the age interval. The first step in the generation of  ${}_nQ_x$  is the computation of the age-specific death rate, or  ${}_nM_x$ , from the number of deaths and the population within the age group.  ${}_nM_x$  may differ slightly from the age-specific mortality rates that we normally use because the number of deaths with age not stated are distributed proportionally among the age groups in the computation of  ${}_nM_x$ .  ${}_nM_x$  also differs from the normal infant mortality rate due to use of the separation factor as discussed earlier.

The second step toward computing  ${}_nQ_x$  is the development of the adjustment factor, based on the relationship of the age-specific death rates to the probability of dying,  ${}_nA_x$ , that was found in the life table used as the standard. The age-specific death rates computed for the life table are then converted to the probability of dying within the interval by multiplying the rate times the length of the age interval and then dividing by the adjustment factor.

The next two life table columns,  $l_x$  and  ${}_nd_x$ , are interrelated. The first row of column  $l_x$  is the beginning cohort of 100,000 live births used as a starting point for any life table. The first row of column  ${}_nd_x$  is the number of those 100,000 who die during this age interval. For each of the succeeding age groups,  $l_x$  is the number from the original cohort of 100,000 births who survive to the exact age at the beginning of the age interval. This number is computed by subtracting the number dying, or  ${}_nd_x$ , in the previous age interval from the number alive at the beginning of that previous interval. The number dying is computed by applying the probability of dying during the interval,  ${}_nQ_x$ , to the number alive at the beginning of the interval,  $l_x$ .

Columns  ${}_nL_x$  and  $T_x$  are both related to the stationary population.  ${}_nL_x$  differs from  $l_x$  in that  $l_x$  is the number of survivors from a single birth cohort of 100,000 births who survive to the beginning of an age interval, while  ${}_nL_x$  is the total number of survivors *within* the age interval based on multiple birth cohorts of 100,000 births each, the number of cohorts depending on the number of years in the age interval identified. For example, the first age group in the life table consists of one birth cohort of 100,000 births. The second age interval is a four-year interval composed of four birth cohorts totaling 400,000 births. The remaining age groups (with the exception of 85+ years) are in five-year intervals of five birth cohorts totaling 500,000 births as a beginning population.  ${}_nL_x$  is computed by multiplying the number of single cohort survivors



at the beginning of the interval, or  $l_x$ , by the number of cohorts (based on the size of the age interval) within the age interval and then subtracting deaths for the age interval,  ${}_n d_x$ , which has been adjusted by  ${}_n B_x$ , a conversion factor derived from the "standard" life table.

$T_x$  is the total number of survivors in the specified age group and all older age groups. It is computed by adding  ${}_n L_x$  for the specified age interval to the sum of the  ${}_n L_x$ 's of older age groups.

Finally  $e_x^0$ , or life expectancy, is computed by dividing  $T_x$  by  $l_x$  for each age interval.

### **ADJUSTING FOR MISREPORTING OF INDIAN RACE ON STATE DEATH CERTIFICATES**

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Misreporting of Indian race on state death certificates occurs, especially in areas distant from traditional Indian reservations. In order to determine the degree and scope of the misreporting, IHS conducted a study utilizing the National Death Index (NDI) maintained by the NCHS. The study involved matching IHS patient records of those patients who could have died during 1986 through 1988 with all death records of U.S. residents for 1986 through 1988 as contained on the NDI. The results were published in a document entitled, *Adjusting for Miscoding of Indian Race on State Death Certificates*, November 1996. The study revealed that on 10.9 percent of the matched IHS-NDI records, the race reported for the decedent was other than American Indian or Alaska Native. The percentage of records with inconsistent classification of race ranged from 1.2 percent in the Navajo Area to 28.0 and 30.4 percents in the Oklahoma and California Areas, respectively.

The results of the NDI study provide sufficient numbers to calculate adjustments for each IHS Area, IHS overall, and selected age groups. In addition to these adjustments based on the study findings, IHS assumed the following; a) the results from 1986-88 apply to years beyond 1988 and b) IHS age-group adjustments applied also to each Area. These assumptions cannot be statistically supported by the results of the study. However, IHS felt that it was necessary to adjust all of the death data in this report to provide a meaningful and comprehensive look at life expectancy. IHS also believes that they are reasonable adjustments.

IHS has more specific adjustment factors for the age group less than one year. These are derived from the linked birth/infant death data sets produced by the NCHS. IHS is assuming that data years 1994-96 can be adjusted based on the results from prior years of the linked data sets, which is not statistically sound but reasonable. These adjustments for 1994-96 take precedent over the NDI adjustments for the under one-year age group, described above.

Adjusted life expectancies are considered a more accurate representation of Indian life expectancy than actual life expectancies because the "actual" data upon which they are based has been "adjusted" to account for misreporting of Indian race on death certificates. Therefore, the analyses in this report are based upon adjusted life expectancies.

## Chart A1. Life Expectancy at Birth, Both Sexes

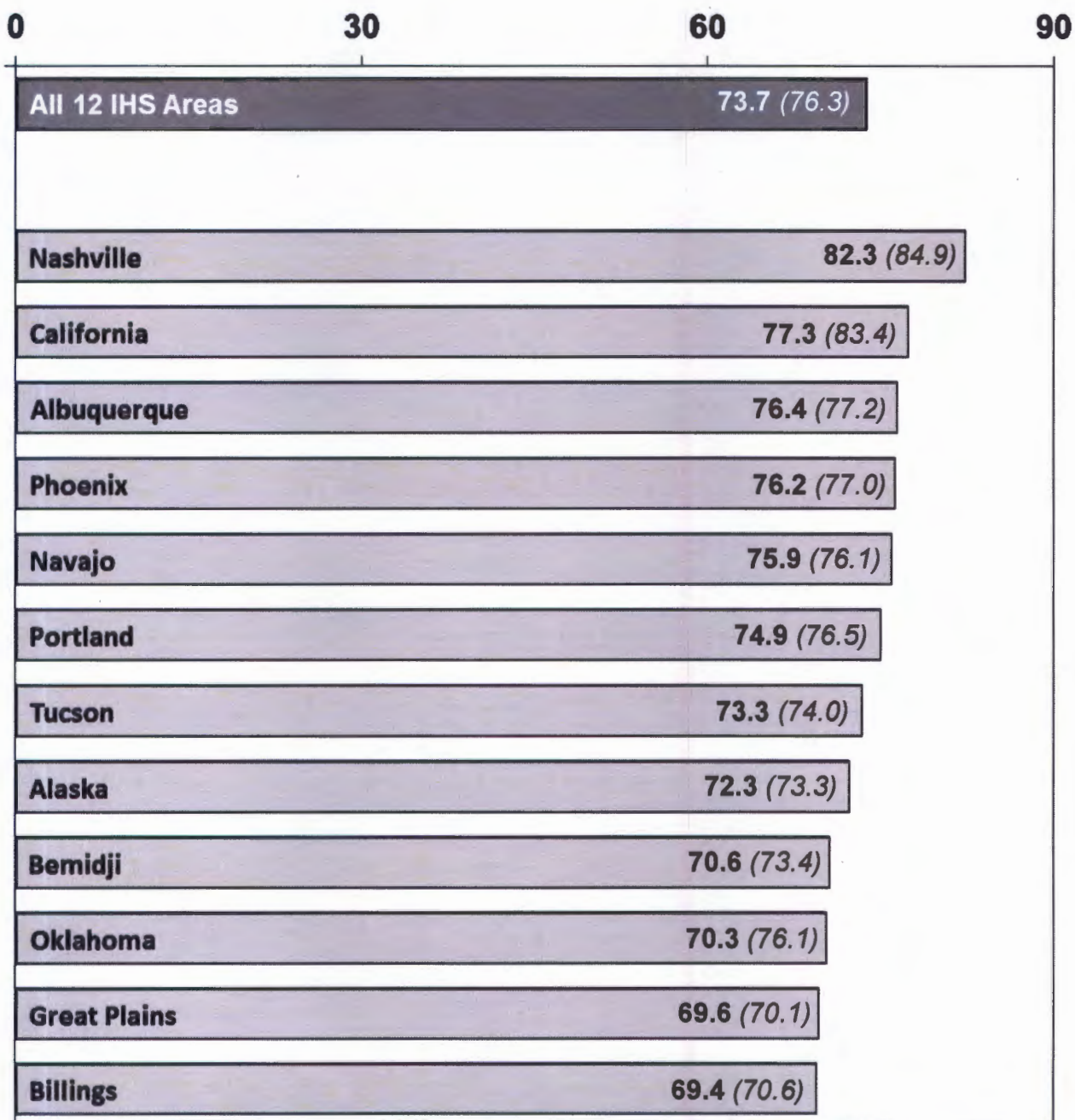
CY 2007-2009 (Adjusted)

U.S. All Races (2008) = 78.1

U.S. White Population (2008) = 78.5

U.S. Black Population (2008) = 74.0

### Years of Life Remaining



NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).

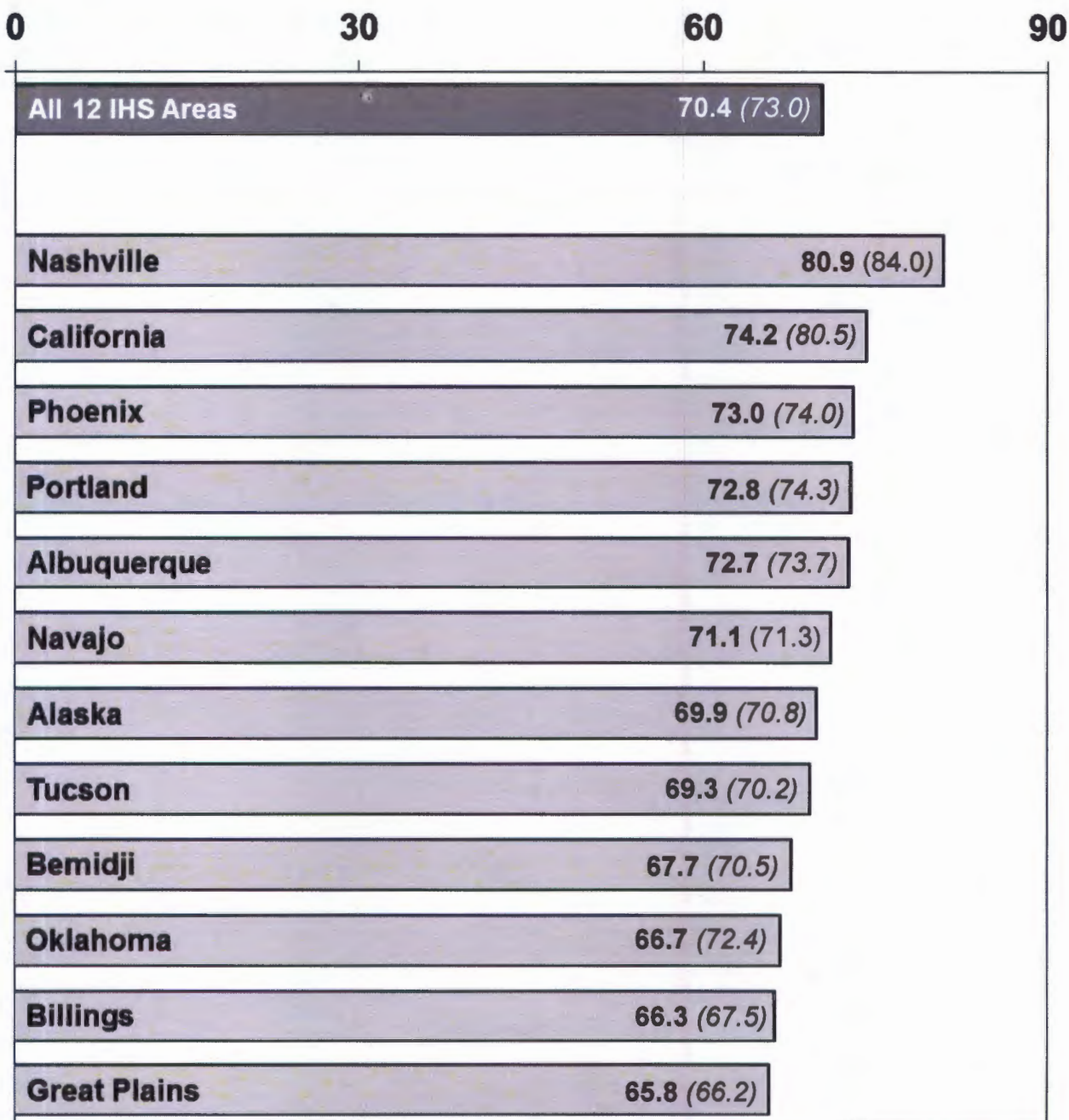


## Chart A2. Life Expectancy at Birth, Males

CY 2007-2009 (Adjusted)

U.S. All Races (2008) = 75.6  
 U.S. White Population (2008) = 76.1  
 U.S. Black Population (2008) = 70.6

### Years of Life Remaining



NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).

## Chart A3. Life Expectancy at Birth, Females

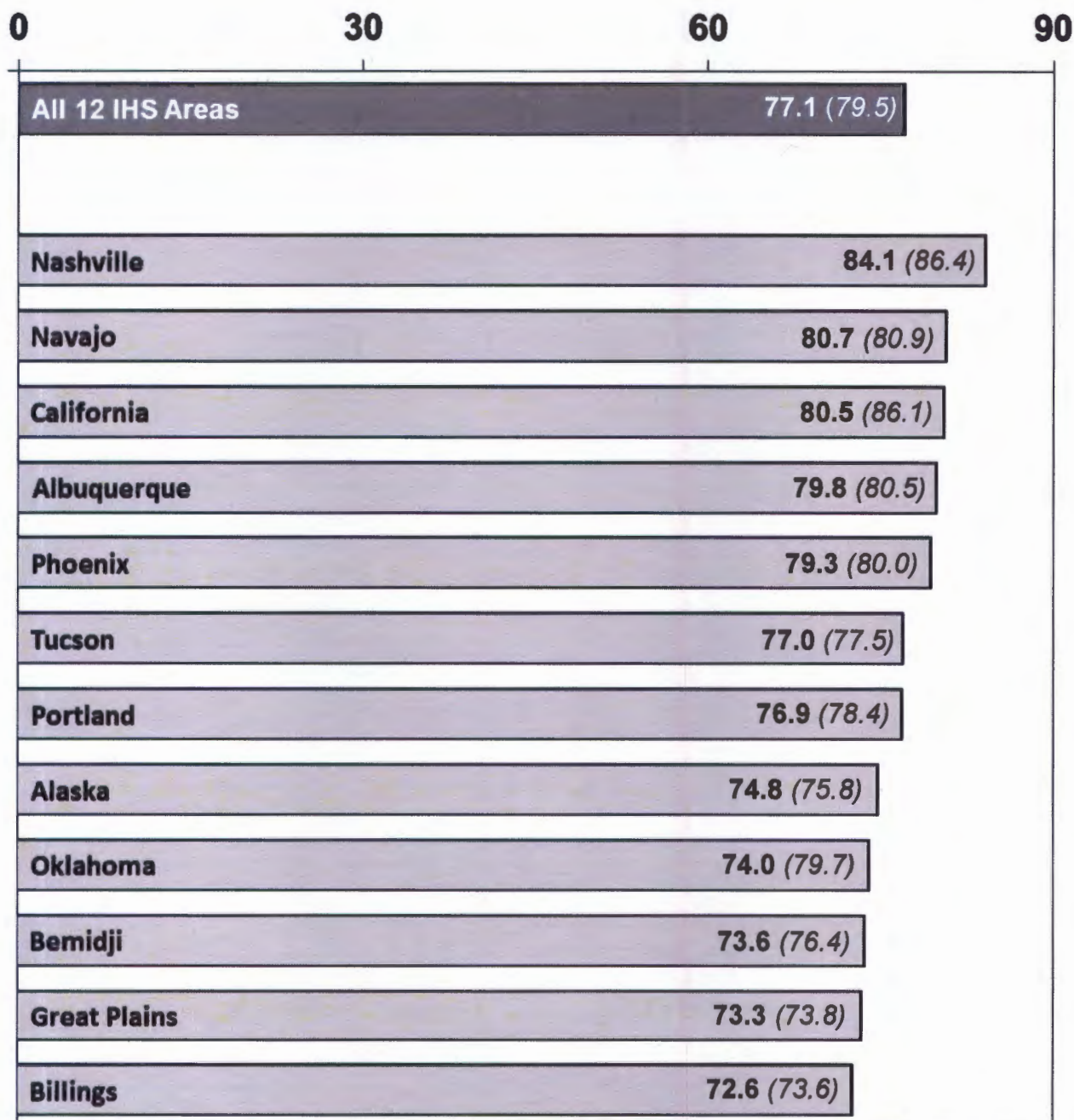
CY 2007-2009 (Adjusted)

U.S. All Races (2008) = 80.6

U.S. White Population (2008) = 80.9

U.S. Black Population (2008) = 77.2

### Years of Life Remaining

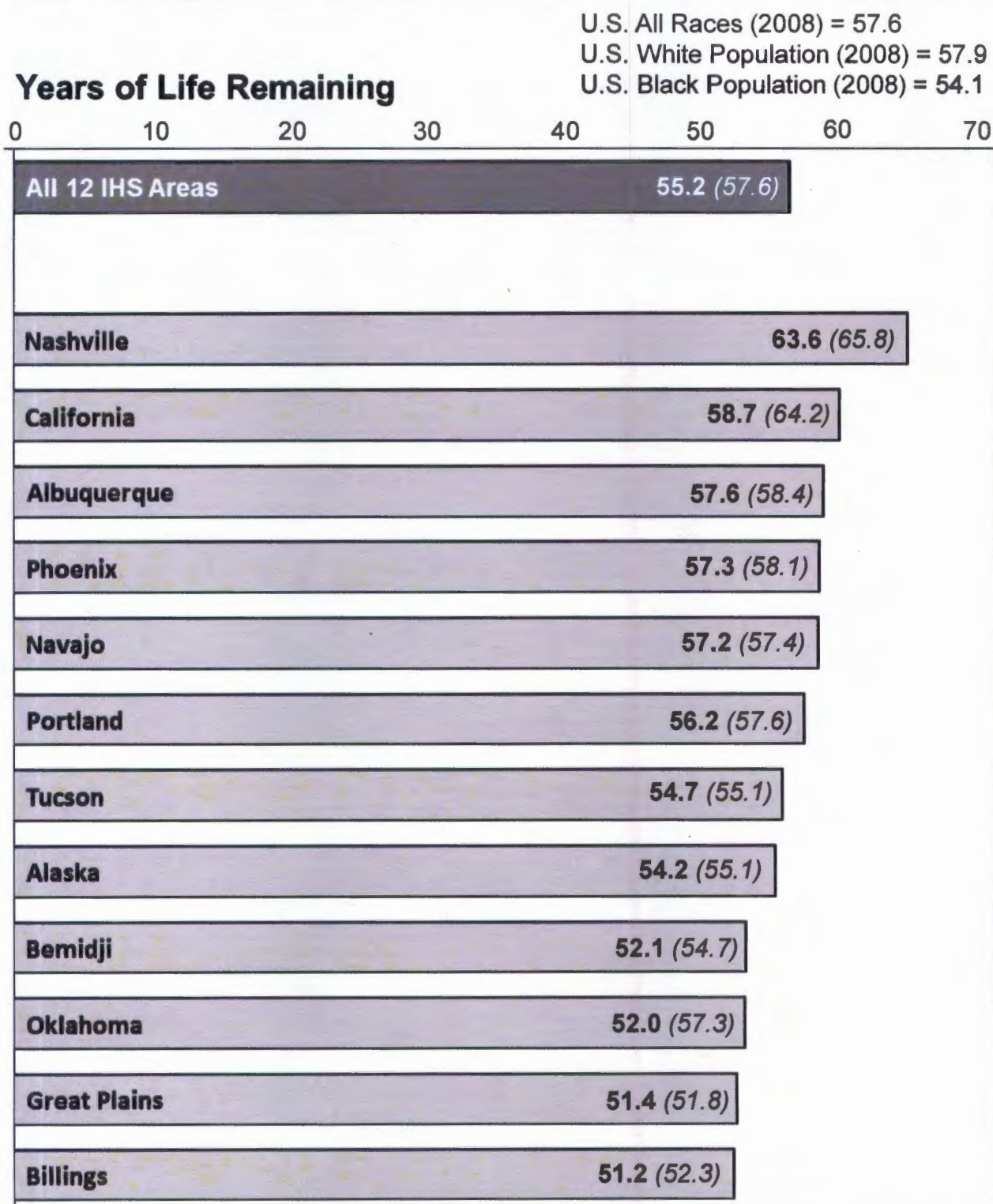


NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).



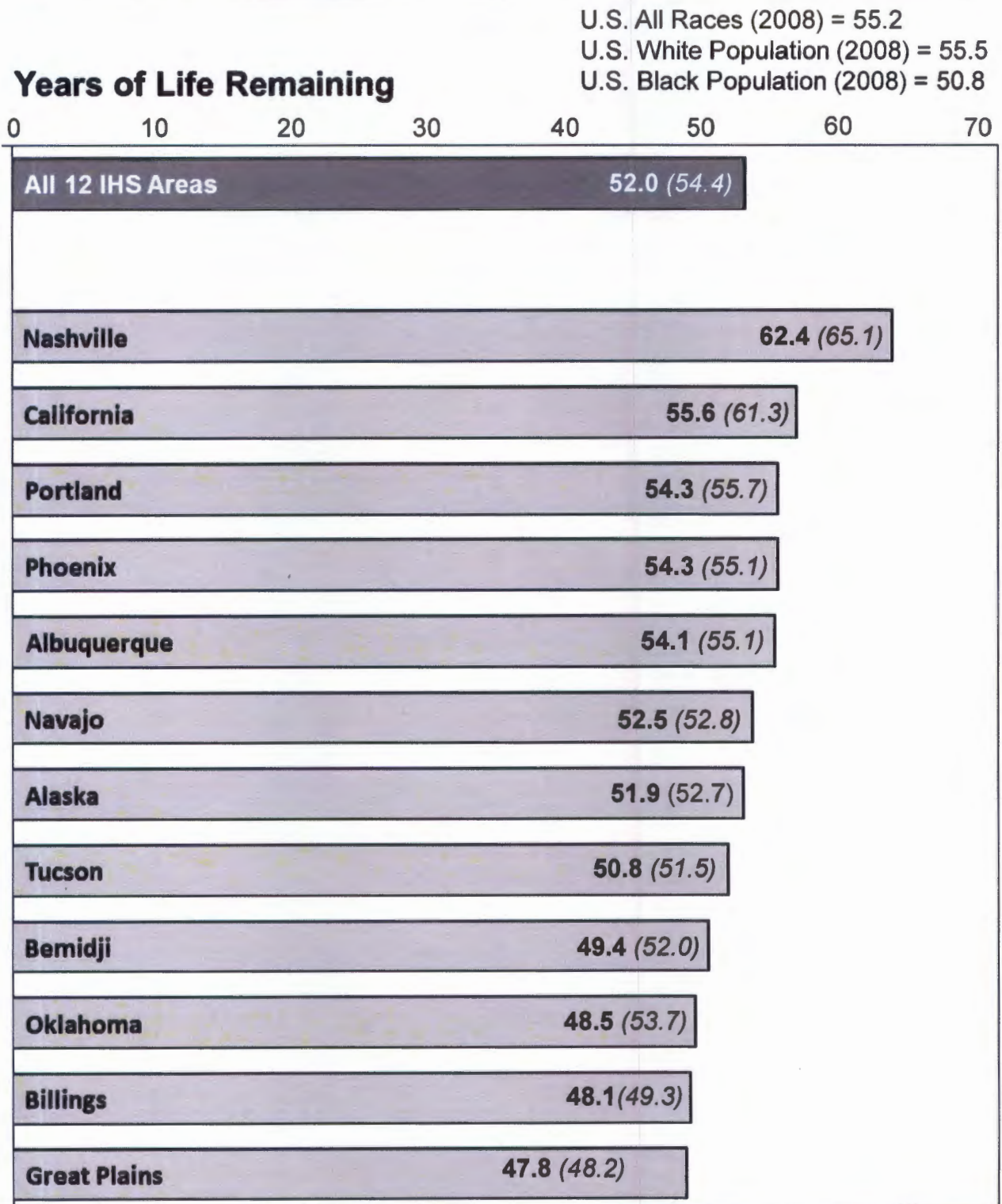
# Chart B1. Life Expectancy at 20-24 Years, Both Sexes

CY 2007-2009 (Adjusted)



NOTE: Life expectancies **not** adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).

**Chart B2. Life Expectancy at 20-24 Years, Males**  
CY 2007-2009 (Adjusted)

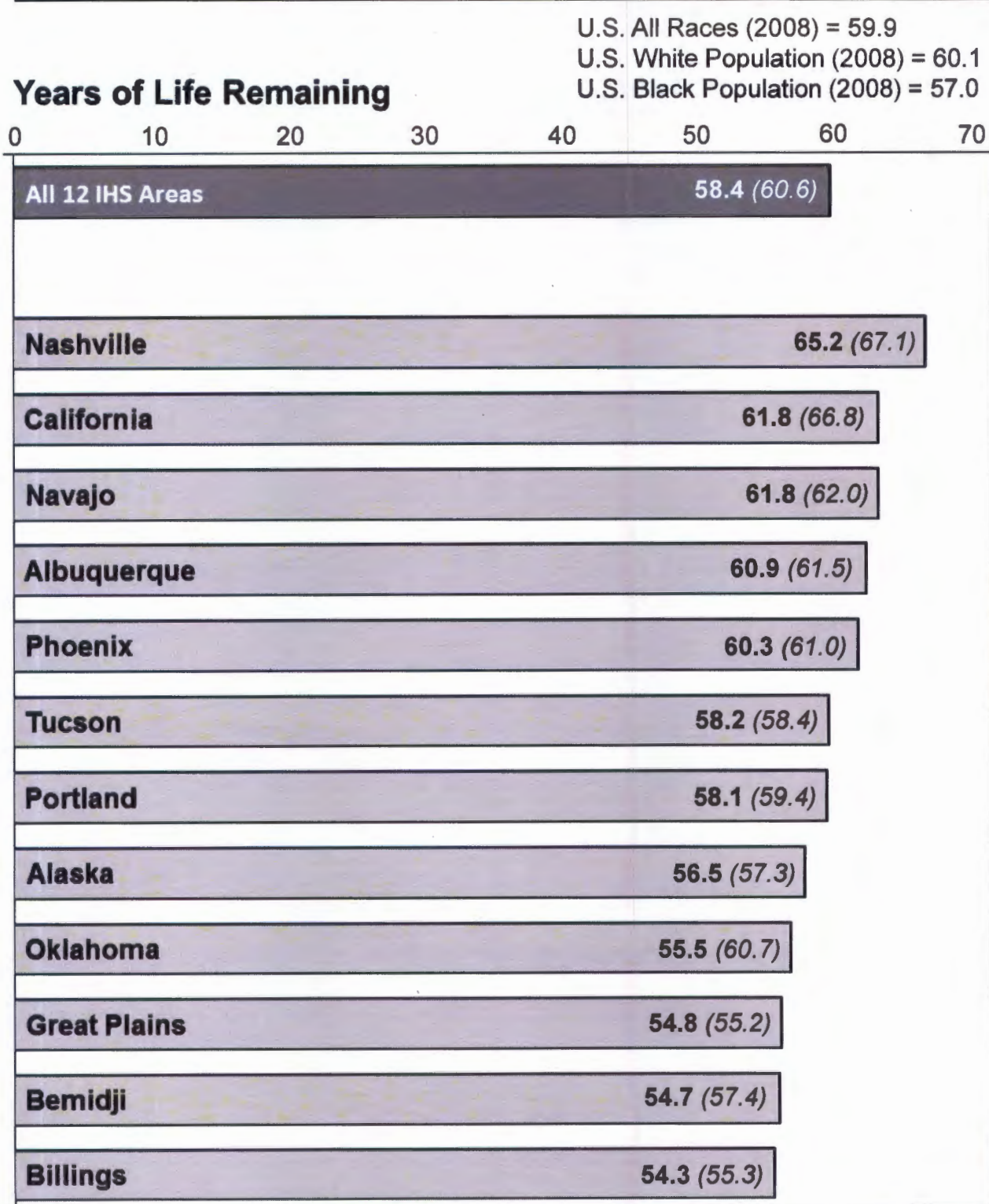


NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).



## Chart B3. Life Expectancy at 20-24 Years, Females

CY 2007-2009 (Adjusted)



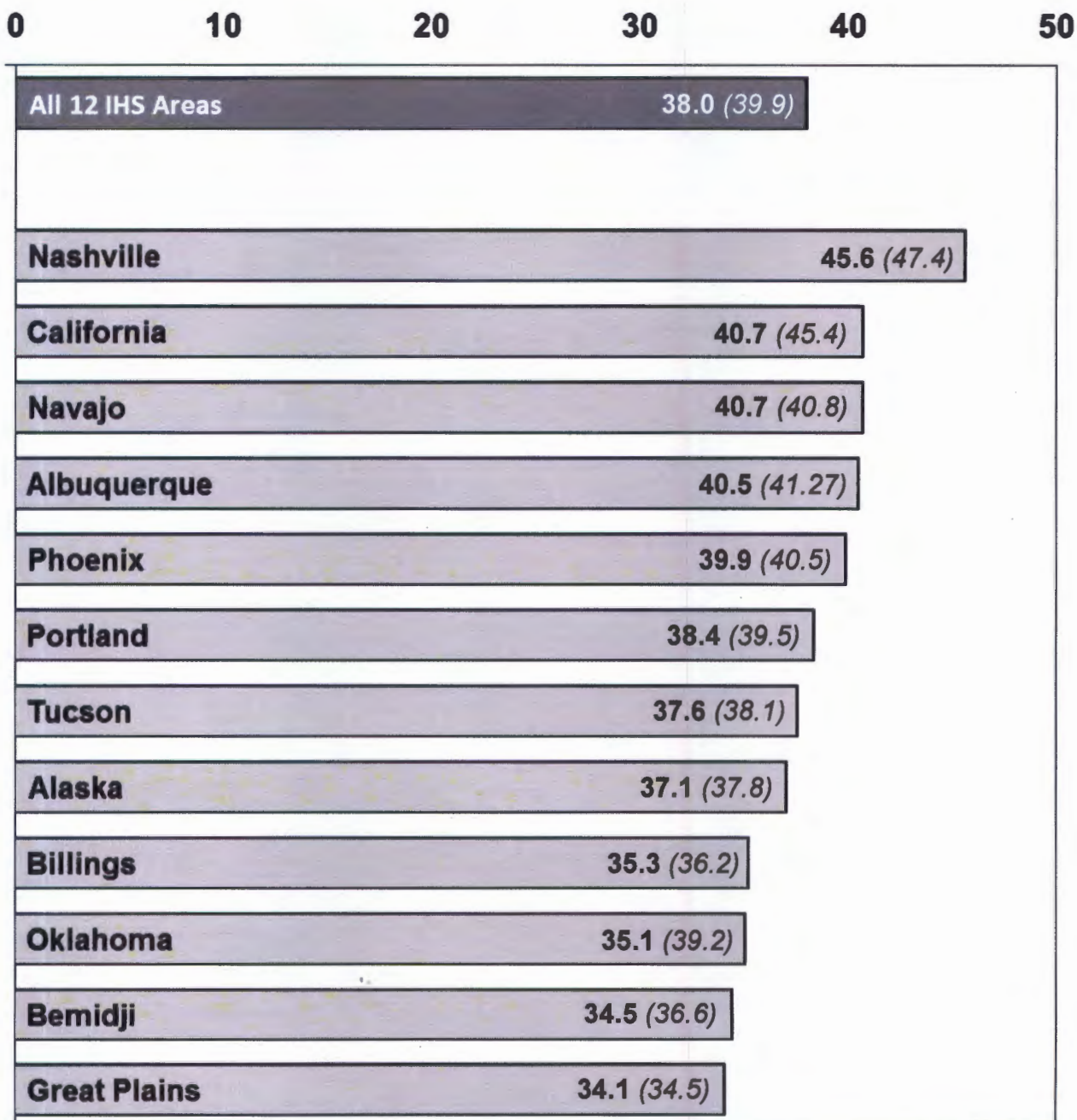
NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses (·).



**Chart C1. Life Expectancy at 40-44 Years, Both Sexes**  
 CY 2007-2009 (Adjusted)

**Years of Life Remaining**

U.S. All Races (2008) = 38.7  
 U.S. White Population (2008) = 38.9  
 U.S. Black Population (2008) = 35.7



NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).

## Chart C2. Life Expectancy at 40-44 Years, Males

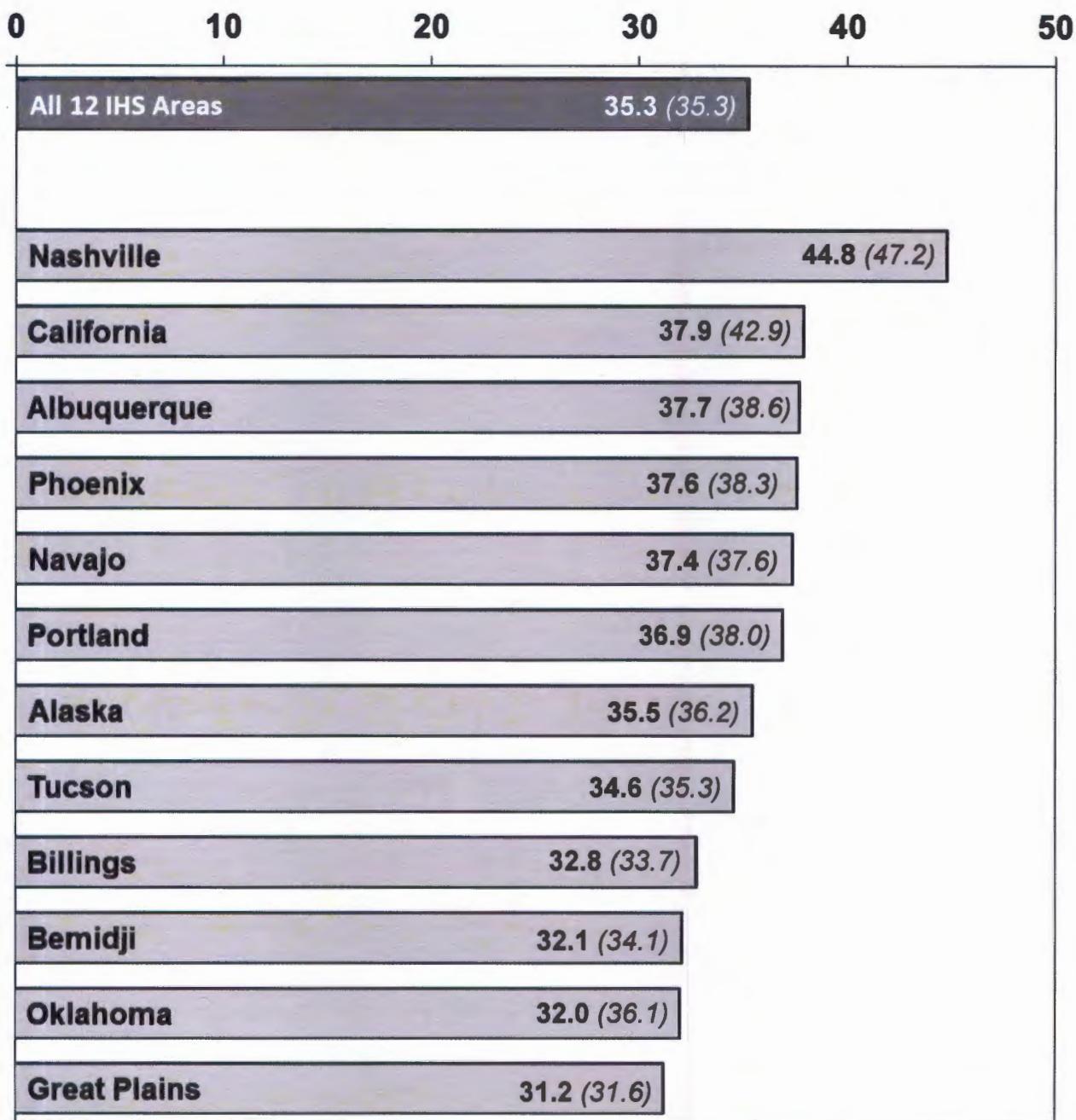
CY 2007-2009 (Adjusted)

U.S. All Races (2008) = 36.7

U.S. White Population (2008) = 36.9

U.S. Black Population (2008) = 32.9

### Years of Life Remaining



NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).

## Chart C3. Life Expectancy at 40-44 Years, Females

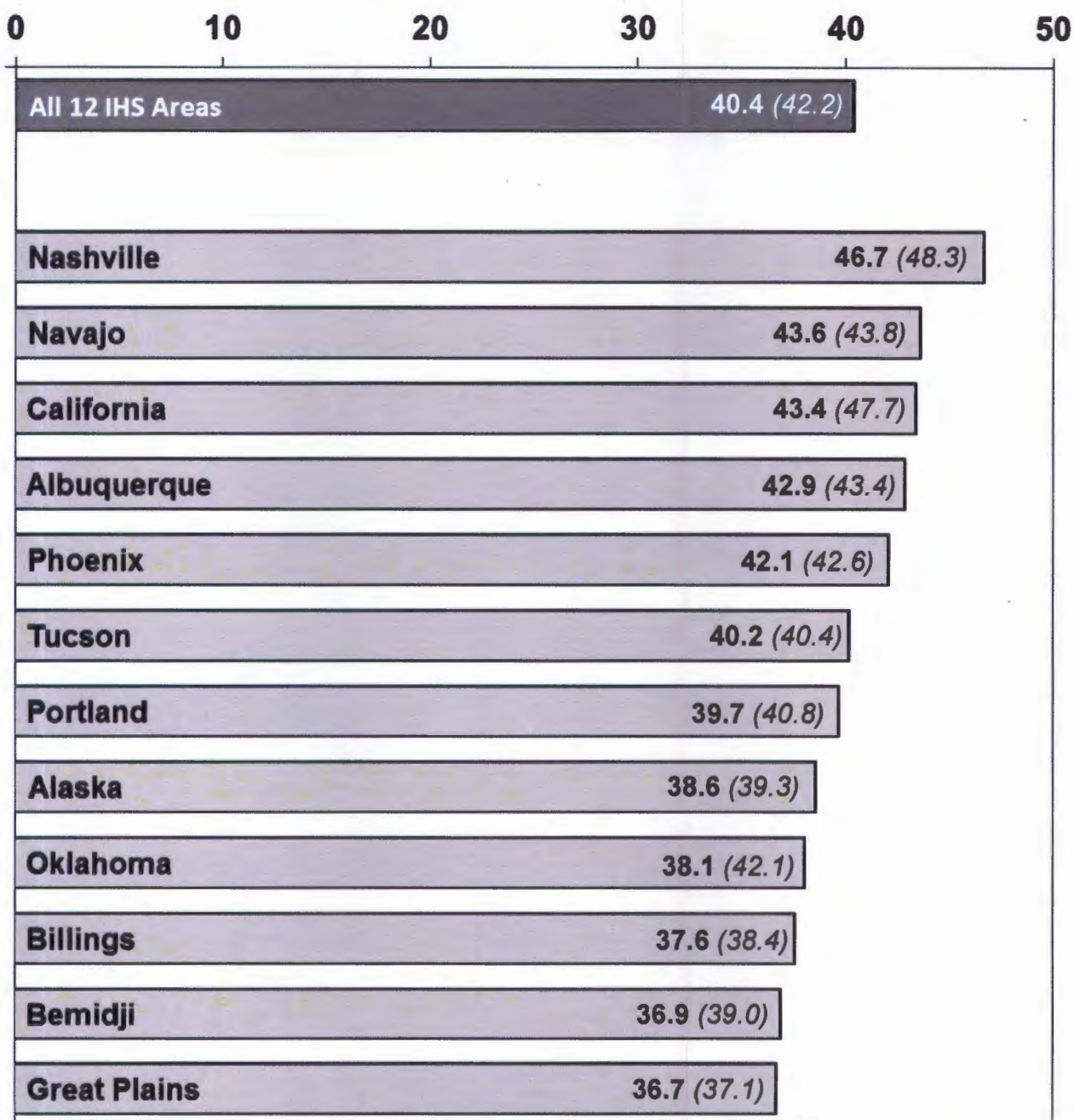
CY 2007-2009 (Adjusted)

U.S. All Races (2008) = 40.6

U.S. White Population (2008) = 40.8

U.S. Black Population (2008) = 38.1

### Years of Life Remaining



NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).



# Chart D1. Life Expectancy at 60-64 Years, Both Sexes

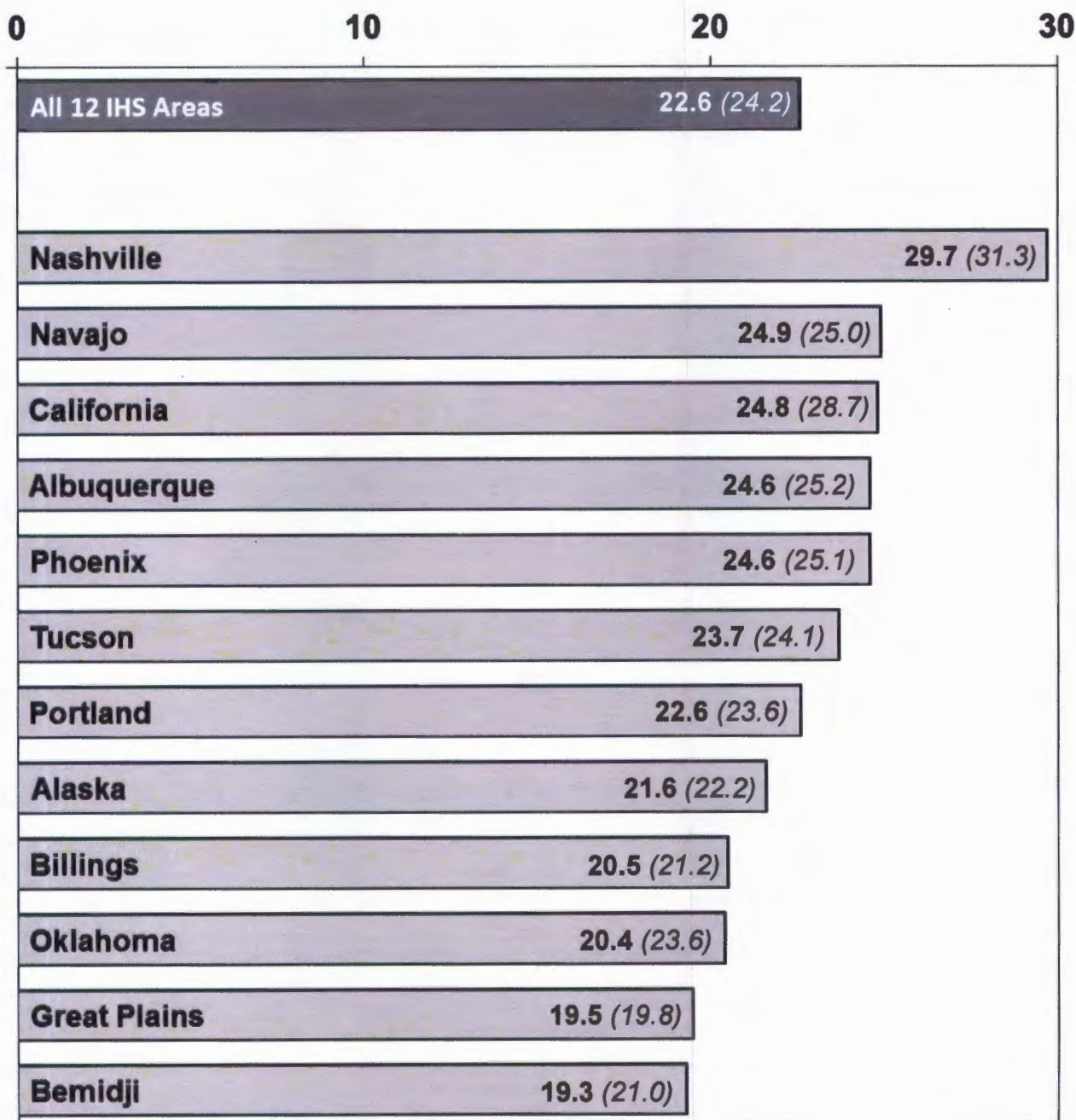
CY 2007-2009 (Adjusted)

U.S. All Races (2008) = 21.5

U.S. White Population (2008) = 21.6

U.S. Black Population (2008) = 19.8

## Years of Life Remaining



NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).

## Chart D2. Life Expectancy at 60-64 Years, Males

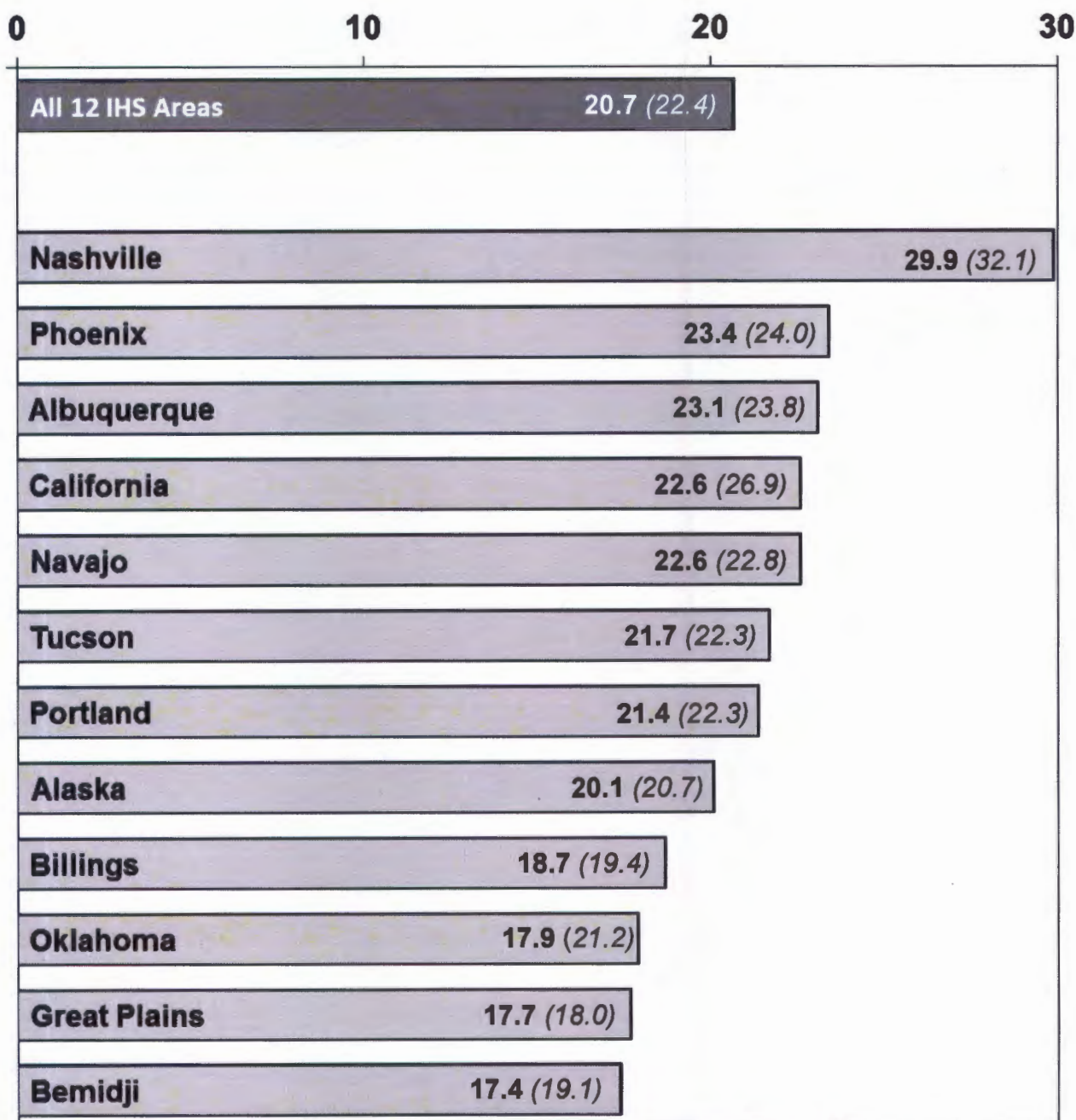
CY 2007-2009 (Adjusted)

U.S. All Races (2008) = 19.9

U.S. White Population (2008) = 20.0

U.S. Black Population (2008) = 17.6

### Years of Life Remaining



NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).



# Chart D3. Life Expectancy at 60-64 Years, Females

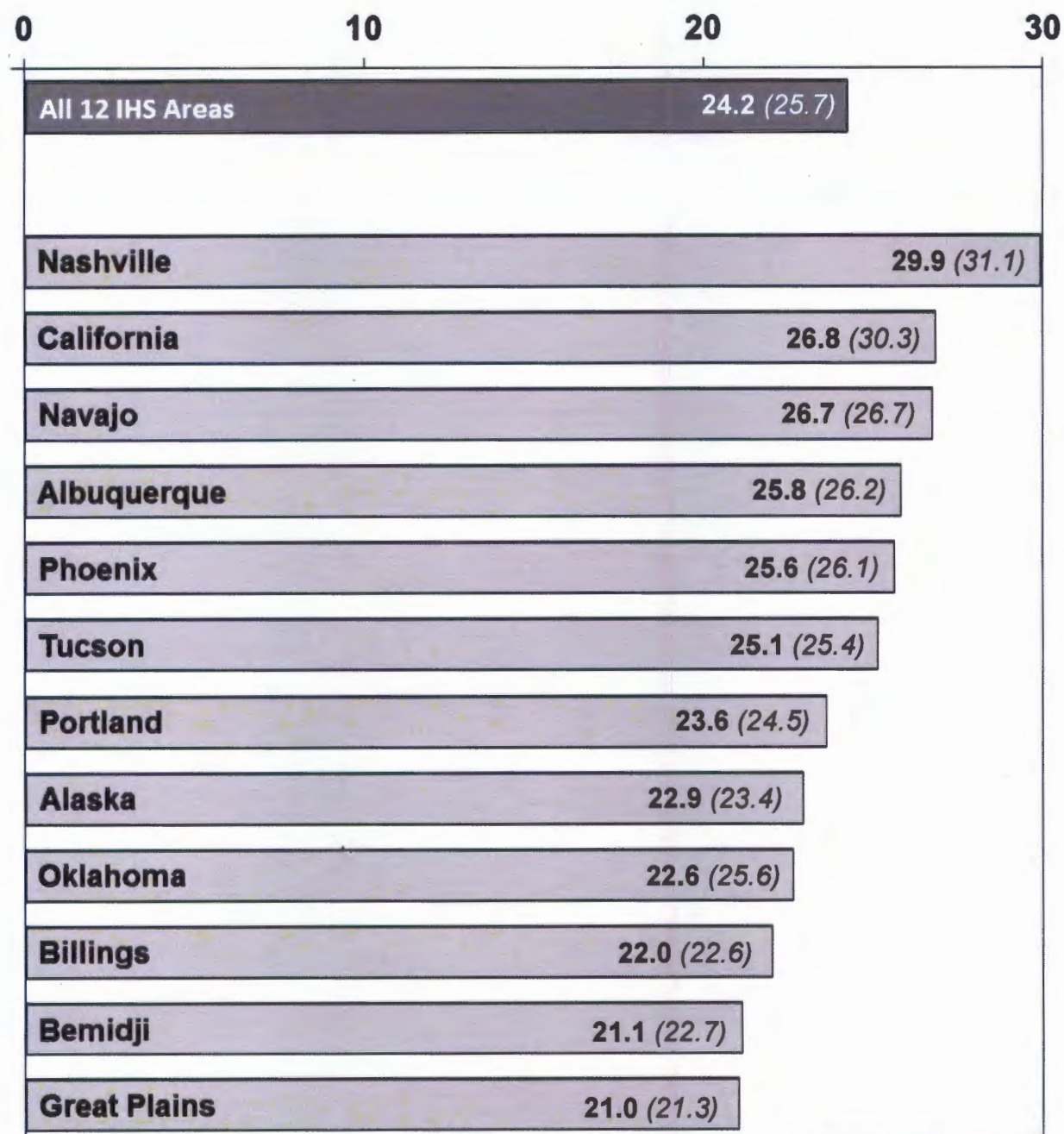
CY 2007-2009 (Adjusted)

U.S. All Races (2008) = 22.8

U.S. White Population (2008) = 22.9

U.S. Black Population (2008) = 21.5

## Years of Life Remaining



NOTE: Life expectancies not adjusted for misreporting of American Indian/Alaska Native race on state death certificates are shown in parentheses ( ).

**Table A1. Life Tables for American Indians and Alaska Natives, Both Sexes in All 12 IHS Areas, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.008386	100,000	839	99,284	7,372,891	73.7
1-4 years	0.002938	99,161	291	395,943	7,273,607	73.4
5-9 years	0.001420	98,870	140	493,962	6,877,664	69.6
10-14 years	0.001847	98,730	182	493,303	6,383,702	64.7
15-19 years	0.007782	98,548	767	491,022	5,890,399	59.8
20-24 years	0.011125	97,781	1,088	486,293	5,399,377	55.2
25-29 years	0.012414	96,693	1,200	480,569	4,913,084	50.8
30-34 years	0.015970	95,493	1,525	473,816	4,432,515	46.4
35-39 years	0.020402	93,968	1,917	465,230	3,958,699	42.1
40-44 years	0.027116	92,051	2,496	454,273	3,493,469	38.0
45-49 years	0.032443	89,555	2,905	440,920	3,039,196	33.9
50-54 years	0.042026	86,650	3,642	424,646	2,598,276	30.0
55-59 years	0.056642	83,008	4,702	403,892	2,173,630	26.2
60-64 years	0.076090	78,306	5,958	377,263	1,769,738	22.6
65-69 years	0.110321	72,348	7,981	342,387	1,392,475	19.2
70-74 years	0.156050	64,367	10,044	297,309	1,050,088	16.3
75-79 years	0.205547	54,323	11,166	243,967	752,779	13.9
80-84 years	0.277839	43,157	11,991	185,669	508,812	11.8
85+ years	1.000000	31,166	31,166	323,143	323,143	10.4

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A2. Life Tables for American Indians and Alaska Natives, Both Sexes in Alaska Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.011126	100,000	1,113	99,051	7,234,903	72.3
1-4 years	0.003195	98,887	316	394,787	7,135,852	72.2
5-9 years	0.001924	98,571	190	492,329	6,741,065	68.4
10-14 years	0.002720	98,381	268	491,394	6,248,736	63.5
15-19 years	0.009430	98,113	925	488,493	5,757,342	58.7
20-24 years	0.013986	97,188	1,359	482,677	5,268,849	54.2
25-29 years	0.012550	95,829	1,203	476,242	4,786,172	49.9
30-34 years	0.018634	94,626	1,763	468,912	4,309,930	45.5
35-39 years	0.019178	92,863	1,781	460,032	3,841,018	41.4
40-44 years	0.025238	91,082	2,299	449,900	3,380,986	37.1
45-49 years	0.029382	88,783	2,609	437,758	2,931,086	33.0
50-54 years	0.049875	86,174	4,298	420,716	2,493,328	28.9
55-59 years	0.054095	81,876	4,429	398,880	2,072,612	25.3
60-64 years	0.069346	77,447	5,371	374,374	1,673,732	21.6
65-69 years	0.114716	72,076	8,268	340,331	1,299,358	18.0
70-74 years	0.157734	63,808	10,065	294,463	959,027	15.0
75-79 years	0.238838	53,743	12,836	236,932	664,564	12.4
80-84 years	0.281968	40,907	11,534	175,567	427,632	10.5
85+ years	1.000000	29,373	29,373	252,065	252,065	8.6

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A3. Life Tables for American Indians and Alaska Natives, Both Sexes in Albuquerque Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.005601	100,000	560	99,522	7,635,808	76.4
1-4 years	0.001890	99,440	188	397,307	7,536,286	75.8
5-9 years	0.001058	99,252	105	495,969	7,138,979	71.9
10-14 years	0.003226	99,147	320	495,125	6,643,010	67.0
15-19 years	0.006608	98,827	653	492,672	6,147,885	62.2
20-24 years	0.010930	98,174	1,073	488,294	5,655,213	57.6
25-29 years	0.011993	97,101	1,165	482,693	5,166,919	53.2
30-34 years	0.014634	95,936	1,404	476,321	4,684,226	48.8
35-39 years	0.022674	94,532	2,143	467,506	4,207,905	44.5
40-44 years	0.024643	92,389	2,277	456,488	3,740,399	40.5
45-49 years	0.029857	90,112	2,691	444,210	3,283,911	36.4
50-54 years	0.031878	87,421	2,787	430,521	2,839,701	32.5
55-59 years	0.043265	84,634	3,662	414,488	2,409,180	28.5
60-64 years	0.060241	80,972	4,878	393,179	1,994,692	24.6
65-69 years	0.089494	76,094	6,810	363,956	1,601,513	21.0
70-74 years	0.130208	69,284	9,021	324,392	1,237,557	17.9
75-79 years	0.168862	60,263	10,176	276,118	913,165	15.2
80-84 years	0.236666	50,087	11,854	220,663	637,047	12.7
85+ years	1.000000	38,233	38,233	416,384	416,384	10.9

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A4. Life Tables for American Indians and Alaska Natives, Both Sexes in Bemidji Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.009130	100,000	913	99,221	7,055,853	70.6
1-4 years	0.003549	99,087	352	395,500	6,956,632	70.2
5-9 years	0.001222	98,735	121	493,340	6,561,132	66.5
10-14 years	0.001751	98,614	173	492,740	6,067,792	61.5
15-19 years	0.007837	98,441	772	490,476	5,575,052	56.6
20-24 years	0.011580	97,669	1,131	485,629	5,084,576	52.1
25-29 years	0.009735	96,538	940	480,421	4,598,947	47.6
30-34 years	0.017813	95,598	1,703	473,915	4,118,526	43.1
35-39 years	0.018940	93,895	1,778	465,199	3,644,611	38.8
40-44 years	0.030559	92,117	2,815	453,839	3,179,412	34.5
45-49 years	0.032857	89,302	2,934	439,586	2,725,573	30.5
50-54 years	0.053398	86,368	4,612	420,945	2,285,987	26.5
55-59 years	0.068856	81,756	5,629	395,435	1,865,042	22.8
60-64 years	0.100968	76,127	7,686	362,230	1,469,607	19.3
65-69 years	0.149125	68,441	10,206	317,456	1,107,377	16.2
70-74 years	0.201267	58,235	11,721	262,554	789,921	13.6
75-79 years	0.280527	46,514	13,048	200,262	527,367	11.3
80-84 years	0.363976	33,466	12,181	136,737	327,105	9.8
85+ years	1.000000	21,285	21,285	190,368	190,368	8.9

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A5. Life Tables for American Indians and Alaska Natives, Both Sexes in Billings Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.010210	100,000	1,021	99,129	6,942,152	69.4
1-4 years	0.002872	98,979	284	395,232	6,843,023	69.1
5-9 years	0.001951	98,695	193	492,941	6,447,791	65.3
10-14 years	0.002642	98,502	260	492,014	5,954,850	60.5
15-19 years	0.011321	98,242	1,112	488,719	5,462,836	55.6
20-24 years	0.017645	97,130	1,714	481,535	4,974,117	51.2
25-29 years	0.018143	95,416	1,731	472,902	4,492,582	47.1
30-34 years	0.026268	93,685	2,461	462,537	4,019,680	42.9
35-39 years	0.034350	91,224	3,134	448,583	3,557,143	39.0
40-44 years	0.027310	88,090	2,406	434,684	3,108,560	35.3
45-49 years	0.046567	85,684	3,990	419,004	2,673,876	31.2
50-54 years	0.045140	81,694	3,688	399,757	2,254,872	27.6
55-59 years	0.073797	78,006	5,757	376,381	1,855,115	23.8
60-64 years	0.094796	72,249	6,849	344,845	1,478,734	20.5
65-69 years	0.126063	65,400	8,245	307,007	1,133,889	17.3
70-74 years	0.177000	57,155	10,116	261,073	826,882	14.5
75-79 years	0.253562	47,039	11,927	205,663	565,809	12.0
80-84 years	0.291899	35,112	10,249	149,819	360,146	10.3
85+ years	1.000000	24,863	24,863	210,327	210,327	8.5

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A6. Life Tables for American Indians and Alaska Natives, Both Sexes in California Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.007345	100,000	735	99,373	7,732,378	77.3
1-4 years	0.003339	99,265	331	396,263	7,633,005	76.9
5-9 years	0.000755	98,934	75	494,462	7,236,742	73.1
10-14 years	0.001726	98,859	171	493,969	6,742,280	68.2
15-19 years	0.006582	98,688	650	491,984	6,248,311	63.3
20-24 years	0.006569	98,038	644	488,644	5,756,327	58.7
25-29 years	0.010771	97,394	1,049	484,438	5,267,683	54.1
30-34 years	0.010152	96,345	978	479,385	4,783,245	49.6
35-39 years	0.013405	95,367	1,278	473,761	4,303,860	45.1
40-44 years	0.021783	94,089	2,050	465,532	3,830,099	40.7
45-49 years	0.024352	92,039	2,241	454,907	3,364,567	36.6
50-54 years	0.033438	89,798	3,003	441,896	2,909,660	32.4
55-59 years	0.050778	86,795	4,407	423,527	2,467,764	28.4
60-64 years	0.063939	82,388	5,268	399,325	2,044,237	24.8
65-69 years	0.102129	77,120	7,876	366,501	1,644,912	21.3
70-74 years	0.137770	69,244	9,540	322,925	1,278,411	18.5
75-79 years	0.181861	59,704	10,858	271,635	955,486	16.0
80-84 years	0.247820	48,846	12,105	213,828	683,851	14.0
85+ years	1.000000	36,741	36,741	470,023	470,023	12.8

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A7. Life Tables for American Indians and Alaska Natives, Both Sexes in Great Plains Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.012020	100,000	1,202	98,975	6,957,142	69.6
1-4 years	0.001745	98,798	172	394,778	6,858,167	69.4
5-9 years	0.000891	98,626	88	492,886	6,463,389	65.5
10-14 years	0.001879	98,538	185	492,337	5,970,503	60.6
15-19 years	0.012337	98,353	1,213	489,048	5,478,166	55.7
20-24 years	0.012144	97,140	1,180	482,867	4,989,118	51.4
25-29 years	0.011429	95,960	1,097	477,152	4,506,251	47.0
30-34 years	0.018061	94,863	1,713	470,216	4,029,099	42.5
35-39 years	0.024423	93,150	2,275	460,279	3,558,883	38.2
40-44 years	0.036006	90,875	3,272	446,534	3,098,604	34.1
45-49 years	0.040695	87,603	3,565	429,602	2,652,070	30.3
50-54 years	0.052529	84,038	4,414	409,762	2,222,468	26.4
55-59 years	0.080868	79,624	6,439	382,854	1,812,706	22.8
60-64 years	0.117715	73,185	8,615	345,296	1,429,852	19.5
65-69 years	0.153793	64,570	9,930	298,771	1,084,556	16.8
70-74 years	0.194897	54,640	10,649	247,197	785,785	14.4
75-79 years	0.246339	43,991	10,837	193,122	538,588	12.2
80-84 years	0.301322	33,154	9,990	140,680	345,466	10.4
85+ years	1.000000	23,164	23,164	204,786	204,786	8.8

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A8. Life Tables for American Indians and Alaska Natives, Both Sexes in Nashville Area, 2007-2009 (Adjusted<sup>11</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.009692	100,000	969	99,173	8,229,961	82.3
1-4 years	0.002438	99,031	241	395,543	8,130,788	82.1
5-9 years	0.000151	98,790	15	493,908	7,735,245	78.3
10-14 years	0.001230	98,775	121	493,644	7,241,337	73.3
15-19 years	0.002852	98,654	281	492,641	6,747,693	68.4
20-24 years	0.009541	98,373	939	489,610	6,255,052	63.6
25-29 years	0.007735	97,434	754	485,350	5,765,442	59.2
30-34 years	0.009267	96,680	896	481,256	5,280,092	54.6
35-39 years	0.010388	95,784	995	476,527	4,798,836	50.1
40-44 years	0.016968	94,789	1,608	470,091	4,322,309	45.6
45-49 years	0.021843	93,181	2,035	461,103	3,852,218	41.3
50-54 years	0.032068	91,146	2,923	448,825	3,391,115	37.2
55-59 years	0.042035	88,223	3,708	432,324	2,942,290	33.4
60-64 years	0.059351	84,515	5,016	410,564	2,509,966	29.7
65-69 years	0.077736	79,499	6,180	382,509	2,099,402	26.4
70-74 years	0.109556	73,319	8,033	346,980	1,716,893	23.4
75-79 years	0.149516	65,286	9,761	302,261	1,369,913	21.0
80-84 years	0.173147	55,525	9,614	253,479	1,067,652	19.2
85+ years	1.000000	45,911	45,911	814,173	814,173	17.7

<sup>11</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A9. Life Tables for American Indians and Alaska Natives, Both Sexes in Navajo Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.006803	100,000	680	99,420	7,589,481	75.9
1-4 years	0.002541	99,320	252	396,673	7,490,061	75.4
5-9 years	0.001267	99,068	126	494,991	7,093,388	71.6
10-14 years	0.001490	98,942	147	494,430	6,598,397	66.7
15-19 years	0.007172	98,795	709	492,387	6,103,967	61.8
20-24 years	0.011657	98,086	1,143	487,686	5,611,580	57.2
25-29 years	0.014945	96,943	1,449	481,218	5,123,894	52.9
30-34 years	0.021069	95,494	2,012	472,656	4,642,676	48.6
35-39 years	0.024929	93,482	2,330	461,806	4,170,020	44.6
40-44 years	0.030915	91,152	2,818	449,007	3,708,214	40.7
45-49 years	0.027484	88,334	2,428	435,940	3,259,207	36.9
50-54 years	0.028978	85,906	2,489	423,650	2,823,267	32.9
55-59 years	0.040333	83,417	3,364	409,109	2,399,617	28.8
60-64 years	0.053059	80,053	4,248	390,093	1,990,508	24.9
65-69 years	0.077676	75,805	5,888	364,747	1,600,415	21.1
70-74 years	0.119617	69,917	8,363	329,164	1,235,668	17.7
75-79 years	0.150755	61,554	9,280	284,792	906,504	14.7
80-84 years	0.224276	52,274	11,724	231,925	621,712	11.9
85+ years	1.000000	40,550	40,550	389,787	389,787	9.6

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A10. Life Tables for American Indians and Alaska Natives, Both Sexes in Oklahoma Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.007870	100,000	787	99,329	7,028,767	70.3
1-4 years	0.004846	99,213	481	395,693	6,929,438	69.8
5-9 years	0.002770	98,732	273	492,904	6,533,745	66.2
10-14 years	0.002312	98,459	228	491,860	6,040,841	61.4
15-19 years	0.009195	98,231	903	489,132	5,548,981	56.5
20-24 years	0.011557	97,328	1,125	483,939	5,059,849	52.0
25-29 years	0.016625	96,203	1,599	477,156	4,575,910	47.6
30-34 years	0.020342	94,604	1,924	468,417	4,098,754	43.3
35-39 years	0.023661	92,680	2,193	458,126	3,630,337	39.2
40-44 years	0.033381	90,487	3,021	445,195	3,172,211	35.1
45-49 years	0.042184	87,466	3,690	428,622	2,727,016	31.2
50-54 years	0.049926	83,776	4,183	408,998	2,298,394	27.4
55-59 years	0.071234	79,593	5,670	384,522	1,889,396	23.7
60-64 years	0.095241	73,923	7,040	352,757	1,504,874	20.4
65-69 years	0.141173	66,883	9,442	311,519	1,152,117	17.2
70-74 years	0.188693	57,441	10,839	260,738	840,598	14.6
75-79 years	0.249589	46,602	11,631	204,211	579,860	12.4
80-84 years	0.333161	34,971	11,651	145,593	375,649	10.7
85+ years	1.000000	23,320	23,320	230,056	230,056	9.9

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A11. Life Tables for American Indians and Alaska Natives, Both Sexes in Phoenix Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.006937	100,000	694	99,408	7,615,767	76.2
1-4 years	0.002037	99,306	202	396,737	7,516,359	75.7
5-9 years	0.000949	99,104	94	495,260	7,119,622	71.8
10-14 years	0.001415	99,010	140	494,783	6,624,362	66.9
15-19 years	0.005653	98,870	559	493,098	6,129,579	62.0
20-24 years	0.010554	98,311	1,038	489,063	5,636,481	57.3
25-29 years	0.009582	97,273	932	484,116	5,147,418	52.9
30-34 years	0.012834	96,341	1,236	478,748	4,663,302	48.4
35-39 years	0.021462	95,105	2,041	470,616	4,184,554	44.0
40-44 years	0.023413	93,064	2,179	460,098	3,713,938	39.9
45-49 years	0.033077	90,885	3,006	447,331	3,253,840	35.8
50-54 years	0.039918	87,879	3,508	431,108	2,806,509	31.9
55-59 years	0.052688	84,371	4,445	411,317	2,375,401	28.2
60-64 years	0.062249	79,926	4,975	387,717	1,964,084	24.6
65-69 years	0.089384	74,951	6,699	358,511	1,576,367	21.0
70-74 years	0.139344	68,252	9,511	318,036	1,217,856	17.8
75-79 years	0.165941	58,741	9,748	269,568	899,820	15.3
80-84 years	0.251193	48,993	12,307	214,056	630,252	12.9
85+ years	1.000000	36,686	36,686	416,196	416,196	11.3

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A12. Life Tables for American Indians and Alaska Natives, Both Sexes in Portland Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.008310	100,000	831	99,291	7,489,768	74.9
1-4 years	0.002242	99,169	222	396,141	7,390,477	74.5
5-9 years	0.001354	98,947	134	494,364	6,994,336	70.7
10-14 years	0.001078	98,813	107	493,861	6,499,972	65.8
15-19 years	0.006657	98,706	657	492,058	6,006,111	60.8
20-24 years	0.010454	98,049	1,025	487,784	5,514,053	56.2
25-29 years	0.009656	97,024	937	482,859	5,026,269	51.8
30-34 years	0.011384	96,087	1,094	477,817	4,543,410	47.3
35-39 years	0.014671	94,993	1,394	471,612	4,065,593	42.8
40-44 years	0.022121	93,599	2,070	463,034	3,593,981	38.4
45-49 years	0.028714	91,529	2,628	451,443	3,130,947	34.2
50-54 years	0.042383	88,901	3,768	435,603	2,679,504	30.1
55-59 years	0.050590	85,133	4,307	415,454	2,243,901	26.4
60-64 years	0.071525	80,826	5,781	390,287	1,828,447	22.6
65-69 years	0.097533	75,045	7,319	357,477	1,438,160	19.2
70-74 years	0.155834	67,726	10,554	312,859	1,080,683	16.0
75-79 years	0.194408	57,172	11,115	258,338	767,824	13.4
80-84 years	0.305730	46,057	14,081	194,920	509,486	11.1
85+ years	1.000000	31,976	31,976	314,566	314,566	9.8

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A13. Life Tables for American Indians and Alaska Natives, Both Sexes in Tucson Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.007824	100,000	782	99,333	7,331,514	73.3
1-4 years	0.002152	99,218	214	396,357	7,232,181	72.9
5-9 years	0.000973	99,004	96	494,754	6,835,824	69.0
10-14 years	0.000000	98,908	0	494,540	6,341,070	64.1
15-19 years	0.009747	98,908	964	492,381	5,846,530	59.1
20-24 years	0.012585	97,944	1,233	486,760	5,354,149	54.7
25-29 years	0.013964	96,711	1,350	480,297	4,867,389	50.3
30-34 years	0.011443	95,361	1,091	474,195	4,387,092	46.0
35-39 years	0.027788	94,270	2,620	465,049	3,912,897	41.5
40-44 years	0.035344	91,650	3,239	450,488	3,447,848	37.6
45-49 years	0.039125	88,411	3,459	433,892	2,997,360	33.9
50-54 years	0.067315	84,952	5,719	411,249	2,563,468	30.2
55-59 years	0.058702	79,233	4,651	385,138	2,152,219	27.2
60-64 years	0.072159	74,582	5,382	360,022	1,767,081	23.7
65-69 years	0.089398	69,200	6,186	331,000	1,407,059	20.3
70-74 years	0.156191	63,014	9,842	291,037	1,076,059	17.1
75-79 years	0.211327	53,172	11,237	238,036	785,022	14.8
80-84 years	0.252272	41,935	10,579	182,106	546,086	13.0
85+ years	1.000000	31,356	31,356	363,881	363,881	11.6

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A14. Life Tables for American Indians and Alaska Natives, Males in All 12 IHS Areas, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.009174	100,000	917	99,214	6,990,526	69.9
1-4 years	0.003675	99,083	364	395,468	6,891,312	69.6
5-9 years	0.001515	98,719	150	493,179	6,495,844	65.8
10-14 years	0.001948	98,569	192	492,515	6,002,665	60.9
15-19 years	0.009794	98,377	964	489,736	5,510,150	56.0
20-24 years	0.014822	97,413	1,444	483,579	5,020,414	51.5
25-29 years	0.017326	95,969	1,663	475,799	4,536,835	47.3
30-34 years	0.019363	94,306	1,826	467,147	4,061,036	43.1
35-39 years	0.024443	92,480	2,261	456,938	3,593,889	38.9
40-44 years	0.031284	90,219	2,822	444,284	3,136,951	34.8
45-49 years	0.038796	87,397	3,391	428,919	2,692,667	30.8
50-54 years	0.051829	84,006	4,354	409,708	2,263,748	26.9
55-59 years	0.068910	79,652	5,489	385,190	1,854,040	23.3
60-64 years	0.097401	74,163	7,224	353,401	1,468,850	19.8
65-69 years	0.135771	66,939	9,088	312,490	1,115,449	16.7
70-74 years	0.180749	57,851	10,457	263,442	802,959	13.9
75-79 years	0.241515	47,394	11,446	208,137	539,517	11.4
80-84 years	0.329758	35,948	11,854	149,277	331,380	9.2
85+ years	1.000000	24,094	24,094	182,103	182,103	7.6

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A15. Life Tables for American Indians and Alaska Natives, Males in Alaska Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.011209	100,000	1,121	99,039	6,986,826	69.9
1-4 years	0.003416	98,879	338	394,713	6,887,787	69.7
5-9 years	0.002149	98,541	212	492,117	6,493,074	65.9
10-14 years	0.003787	98,329	372	491,007	6,000,957	61.0
15-19 years	0.011796	97,957	1,155	487,211	5,509,950	56.2
20-24 years	0.019636	96,802	1,901	479,421	5,022,739	51.9
25-29 years	0.016793	94,901	1,594	470,627	4,543,318	47.9
30-34 years	0.019850	93,307	1,852	462,090	4,072,691	43.6
35-39 years	0.026521	91,455	2,425	451,417	3,610,601	39.5
40-44 years	0.022577	89,030	2,010	440,299	3,159,184	35.5
45-49 years	0.031067	87,020	2,703	428,671	2,718,885	31.2
50-54 years	0.062224	84,317	5,247	409,146	2,290,214	27.2
55-59 years	0.059834	79,070	4,731	384,085	1,881,068	23.8
60-64 years	0.071297	74,339	5,300	358,919	1,496,983	20.1
65-69 years	0.130711	69,039	9,024	323,146	1,138,064	16.5
70-74 years	0.198831	60,015	11,933	270,618	814,918	13.6
75-79 years	0.274161	48,082	13,182	207,204	544,300	11.3
80-84 years	0.308304	34,900	10,760	146,849	337,096	9.7
85+ years	1.000000	24,140	24,140	190,247	190,247	7.9

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A16. Life Tables for American Indians and Alaska Natives, Males in Albuquerque Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.006434	100,000	643	99,449	7,268,100	72.7
1-4 years	0.002200	99,357	219	396,908	7,168,651	72.2
5-9 years	0.000707	99,138	70	495,496	6,771,743	68.3
10-14 years	0.004153	99,068	411	494,635	6,276,247	63.4
15-19 years	0.008899	98,657	878	491,328	5,781,612	58.6
20-24 years	0.014764	97,779	1,444	485,409	5,290,284	54.1
25-29 years	0.015173	96,335	1,462	478,118	4,804,875	49.9
30-34 years	0.023279	94,873	2,209	469,063	4,326,757	45.6
35-39 years	0.027658	92,664	2,563	457,129	3,857,694	41.6
40-44 years	0.036367	90,101	3,277	442,595	3,400,565	37.7
45-49 years	0.039523	86,824	3,432	425,957	2,957,970	34.1
50-54 years	0.045667	83,392	3,808	407,933	2,532,013	30.4
55-59 years	0.054991	79,584	4,376	387,500	2,124,080	26.7
60-64 years	0.073469	75,208	5,525	362,722	1,736,580	23.1
65-69 years	0.103492	69,683	7,212	330,794	1,373,858	19.7
70-74 years	0.141218	62,471	8,822	290,578	1,043,064	16.7
75-79 years	0.191772	53,649	10,288	242,329	752,486	14.0
80-84 years	0.229891	43,361	9,968	191,189	510,157	11.8
85+ years	1.000000	33,393	33,393	318,968	318,968	9.6

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A17. Life Tables for American Indians and Alaska Natives, Males in Bemidji Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.010337	100,000	1,034	99,114	6,765,416	67.7
1-4 years	0.004343	98,966	430	394,843	6,666,302	67.4
5-9 years	0.000610	98,536	60	492,513	6,271,459	63.6
10-14 years	0.003390	98,476	334	491,807	5,778,946	58.7
15-19 years	0.010835	98,142	1,063	488,341	5,287,139	53.9
20-24 years	0.013885	97,079	1,348	482,141	4,798,798	49.4
25-29 years	0.010136	95,731	970	476,295	4,316,657	45.1
30-34 years	0.018760	94,761	1,778	469,537	3,840,362	40.5
35-39 years	0.023642	92,983	2,198	459,606	3,370,825	36.3
40-44 years	0.034006	90,785	3,087	446,474	2,911,219	32.1
45-49 years	0.043639	87,698	3,827	429,387	2,464,745	28.1
50-54 years	0.067933	83,871	5,698	405,847	2,035,358	24.3
55-59 years	0.078001	78,173	6,098	376,345	1,629,511	20.8
60-64 years	0.123060	72,075	8,870	338,993	1,253,166	17.4
65-69 years	0.167053	63,205	10,559	290,226	914,173	14.5
70-74 years	0.240369	52,646	12,654	231,994	623,947	11.9
75-79 years	0.319779	39,992	12,789	167,744	391,953	9.8
80-84 years	0.385669	27,203	10,491	109,055	224,209	8.2
85+ years	1.000000	16,712	16,712	115,154	115,154	6.9

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A18. Life Tables for American Indians and Alaska Natives, Males in Billings Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.011712	100,000	1,171	98,996	6,627,813	66.3
1-4 years	0.002858	98,829	282	394,646	6,528,817	66.1
5-9 years	0.002362	98,547	233	492,088	6,134,171	62.2
10-14 years	0.000000	98,314	0	491,570	5,642,083	57.4
15-19 years	0.014294	98,314	1,405	488,439	5,150,513	52.4
20-24 years	0.022928	96,909	2,222	479,181	4,662,074	48.1
25-29 years	0.021888	94,687	2,073	468,392	4,182,893	44.2
30-34 years	0.032547	92,614	3,014	455,835	3,714,501	40.1
35-39 years	0.041237	89,600	3,695	439,074	3,258,666	36.4
40-44 years	0.031207	85,905	2,681	423,054	2,819,592	32.8
45-49 years	0.054555	83,224	4,540	405,321	2,396,538	28.8
50-54 years	0.057312	78,684	4,510	382,729	1,991,217	25.3
55-59 years	0.095315	74,174	7,070	354,035	1,608,488	21.7
60-64 years	0.106153	67,104	7,123	318,350	1,254,453	18.7
65-69 years	0.139785	59,981	8,384	279,420	936,103	15.6
70-74 years	0.228915	51,597	11,811	228,830	656,683	12.7
75-79 years	0.302385	39,786	12,031	168,624	427,853	10.8
80-84 years	0.291579	27,755	8,093	117,977	259,229	9.3
85+ years	1.000000	19,662	19,662	141,252	141,252	7.2

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A19. Life Tables for American Indians and Alaska Natives, Males in California Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.008009	100,000	801	99,314	7,417,702	74.2
1-4 years	0.003301	99,199	327	396,019	7,318,388	73.8
5-9 years	0.000490	98,872	48	494,227	6,922,369	70.0
10-14 years	0.001885	98,824	186	493,801	6,428,142	65.0
15-19 years	0.007778	98,638	767	491,481	5,934,341	60.2
20-24 years	0.008244	97,871	807	487,407	5,442,860	55.6
25-29 years	0.012406	97,064	1,204	482,391	4,955,453	51.1
30-34 years	0.012530	95,860	1,201	476,417	4,473,062	46.7
35-39 years	0.017145	94,659	1,623	469,375	3,996,645	42.2
40-44 years	0.025725	93,036	2,393	459,404	3,527,270	37.9
45-49 years	0.030232	90,643	2,740	446,698	3,067,866	33.8
50-54 years	0.042369	87,903	3,724	430,687	2,621,168	29.8
55-59 years	0.061835	84,179	5,205	408,501	2,190,481	26.0
60-64 years	0.078907	78,974	6,232	379,847	1,781,980	22.6
65-69 years	0.122578	72,742	8,917	341,923	1,402,133	19.3
70-74 years	0.168138	63,825	10,731	292,635	1,060,210	16.6
75-79 years	0.213394	53,094	11,330	236,930	767,575	14.5
80-84 years	0.287846	41,764	12,022	177,925	530,645	12.7
85+ years	1.000000	29,742	29,742	352,720	352,720	11.9

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A20. Life Tables for American Indians and Alaska Natives, Males in Great Plains Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.012455	100,000	1,246	98,932	6,582,200	65.8
1-4 years	0.002443	98,754	241	394,444	6,483,268	65.7
5-9 years	0.000994	98,513	98	492,293	6,088,824	61.8
10-14 years	0.001863	98,415	183	491,761	5,596,531	56.9
15-19 years	0.016416	98,232	1,613	487,565	5,104,770	52.0
20-24 years	0.018177	96,619	1,756	478,856	4,617,205	47.8
25-29 years	0.017557	94,863	1,666	470,262	4,138,349	43.6
30-34 years	0.023397	93,197	2,181	460,750	3,668,087	39.4
35-39 years	0.029805	91,016	2,713	448,527	3,207,337	35.2
40-44 years	0.045975	88,303	4,060	431,716	2,758,810	31.2
45-49 years	0.057439	84,243	4,839	409,705	2,327,094	27.6
50-54 years	0.062843	79,404	4,990	385,191	1,917,389	24.1
55-59 years	0.105864	74,414	7,878	353,311	1,532,198	20.6
60-64 years	0.141301	66,536	9,402	310,016	1,178,887	17.7
65-69 years	0.164223	57,134	9,383	262,744	868,871	15.2
70-74 years	0.219620	47,751	10,487	212,868	606,127	12.7
75-79 years	0.309414	37,264	11,530	157,276	393,259	10.6
80-84 years	0.337838	25,734	8,694	106,328	235,983	9.2
85+ years	1.000000	17,040	17,040	129,655	129,655	7.6

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A21. Life Tables for American Indians and Alaska Natives, Males in Nashville Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.010670	100,000	1,067	99,086	8,094,468	80.9
1-4 years	0.002404	98,933	238	395,167	7,995,382	80.8
5-9 years	0.000295	98,695	29	493,395	7,600,215	77.0
10-14 years	0.002086	98,666	206	492,976	7,106,820	72.0
15-19 years	0.003715	98,460	366	491,484	6,613,844	67.2
20-24 years	0.012154	98,094	1,192	487,592	6,122,360	62.4
25-29 years	0.008786	96,902	851	482,440	5,634,768	58.1
30-34 years	0.013128	96,051	1,261	477,228	5,152,328	53.6
35-39 years	0.011041	94,790	1,047	471,421	4,675,100	49.3
40-44 years	0.021535	93,743	2,019	463,842	4,203,679	44.8
45-49 years	0.025855	91,724	2,372	452,978	3,739,837	40.8
50-54 years	0.040814	89,352	3,647	438,114	3,286,859	36.8
55-59 years	0.052310	85,705	4,483	417,850	2,848,745	33.2
60-64 years	0.066677	81,222	5,416	393,054	2,430,895	29.9
65-69 years	0.081751	75,806	6,197	363,889	2,037,841	26.9
70-74 years	0.119717	69,609	8,333	327,475	1,673,952	24.0
75-79 years	0.158766	61,276	9,729	281,873	1,346,477	22.0
80-84 years	0.206172	51,547	10,628	230,423	1,064,604	20.7
85+ years	1.000000	40,919	40,919	834,181	834,181	20.4

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A22. Life Tables for American Indians and Alaska Natives, Males in Navajo Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.007341	100,000	734	99,371	7,112,302	71.1
1-4 years	0.002350	99,266	233	396,511	7,012,931	70.6
5-9 years	0.001736	99,033	172	494,688	6,616,420	66.8
10-14 years	0.001622	98,861	160	494,030	6,121,732	61.9
15-19 years	0.009648	98,701	952	491,383	5,627,702	57.0
20-24 years	0.017950	97,749	1,755	484,508	5,136,319	52.5
25-29 years	0.021669	95,994	2,080	474,910	4,651,811	48.5
30-34 years	0.033361	93,914	3,133	462,050	4,176,901	44.5
35-39 years	0.036766	90,781	3,338	445,842	3,714,851	40.9
40-44 years	0.042841	87,443	3,746	428,173	3,269,009	37.4
45-49 years	0.036503	83,697	3,055	411,218	2,840,836	33.9
50-54 years	0.041387	80,642	3,338	395,297	2,429,618	30.1
55-59 years	0.053132	77,304	4,107	376,741	2,034,321	26.3
60-64 years	0.067673	73,197	4,953	354,045	1,657,580	22.6
65-69 years	0.104561	68,244	7,136	323,784	1,303,535	19.1
70-74 years	0.151478	61,108	9,256	282,692	979,751	16.0
75-79 years	0.173343	51,852	8,988	236,619	697,059	13.4
80-84 years	0.268021	42,864	11,488	184,798	460,440	10.7
85+ years	1.000000	31,376	31,376	275,642	275,642	8.8

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A23. Life Tables for American Indians and Alaska Natives, Males in Oklahoma Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.008975	100,000	898	99,230	6,671,561	66.7
1-4 years	0.005222	99,102	518	395,178	6,572,331	66.3
5-9 years	0.002337	98,584	230	492,282	6,177,153	62.7
10-14 years	0.003007	98,354	296	491,262	5,684,871	57.8
15-19 years	0.010727	98,058	1,052	487,945	5,193,609	53.0
20-24 years	0.015024	97,006	1,457	481,513	4,705,664	48.5
25-29 years	0.020432	95,549	1,952	472,996	4,224,151	44.2
30-34 years	0.026412	93,597	2,472	462,051	3,751,155	40.1
35-39 years	0.026350	91,125	2,401	449,825	3,289,104	36.1
40-44 years	0.041248	88,724	3,660	434,786	2,839,279	32.0
45-49 years	0.054329	85,064	4,621	414,328	2,404,493	28.3
50-54 years	0.058542	80,443	4,709	391,052	1,990,165	24.7
55-59 years	0.089804	75,734	6,801	362,476	1,599,113	21.1
60-64 years	0.116752	68,933	8,048	325,265	1,236,637	17.9
65-69 years	0.171373	60,885	10,434	278,931	911,372	15.0
70-74 years	0.231040	50,451	11,656	223,482	632,441	12.5
75-79 years	0.299672	38,795	11,626	164,689	408,959	10.5
80-84 years	0.408412	27,169	11,096	107,330	244,270	9.0
85+ years	1.000000	16,073	16,073	136,940	136,940	8.5

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A24. Life Tables for American Indians and Alaska Natives, Males in Phoenix Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.007818	100,000	782	99,330	7,297,450	73.0
1-4 years	0.002555	99,218	253	396,271	7,198,120	72.5
5-9 years	0.001204	98,965	119	494,495	6,801,849	68.7
10-14 years	0.001683	98,846	166	493,945	6,307,354	63.8
15-19 years	0.006818	98,680	673	491,900	5,813,409	58.9
20-24 years	0.015848	98,007	1,553	486,286	5,321,509	54.3
25-29 years	0.012431	96,454	1,199	479,353	4,835,223	50.1
30-34 years	0.017486	95,255	1,666	472,276	4,355,870	45.7
35-39 years	0.027667	93,589	2,589	461,691	3,883,594	41.5
40-44 years	0.031944	91,000	2,907	447,983	3,421,903	37.6
45-49 years	0.041789	88,093	3,681	431,709	2,973,920	33.8
50-54 years	0.052900	84,412	4,465	411,475	2,542,211	30.1
55-59 years	0.066563	79,947	5,322	387,062	2,130,736	26.7
60-64 years	0.079029	74,625	5,898	358,907	1,743,674	23.4
65-69 years	0.089895	68,727	6,178	328,540	1,384,767	20.1
70-74 years	0.162291	62,549	10,151	287,687	1,056,227	16.9
75-79 years	0.181725	52,398	9,522	238,004	768,540	14.7
80-84 years	0.286976	42,876	12,304	182,761	530,536	12.4
85+ years	1.000000	30,572	30,572	347,775	347,775	11.4

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A25. Life Tables for American Indians and Alaska Natives, Males in Portland Area, 2007-2009 (Adjusted<sup>1/</sup>)**

Period of life between two exact ages stated in years (1)	Proportion of persons alive at beginning of age interval dying during interval (2)	Number of living at beginning of age interval (3)	Number dying during age interval (4)	Person-years lived in the age interval (5)	Total number of person-years lived in this and all subsequent age intervals (6)	Average number of years remaining at beginning of age interval (7)
x to x+n	nQx	lx	nDx	nLx	Tx	Ex
Under 1 year	0.009335	100,000	934	99,200	7,277,535	72.8
1-4 years	0.002794	99,066	277	395,606	7,178,335	72.5
5-9 years	0.001148	98,789	113	493,631	6,782,729	68.7
10-14 years	0.001264	98,676	125	493,165	6,289,098	63.7
15-19 years	0.008097	98,551	798	490,976	5,795,933	58.8
20-24 years	0.014743	97,753	1,441	485,286	5,304,957	54.3
25-29 years	0.013258	96,312	1,277	478,453	4,819,671	50.0
30-34 years	0.012251	95,035	1,164	472,381	4,341,218	45.7
35-39 years	0.017478	93,871	1,641	465,391	3,868,837	41.2
40-44 years	0.023463	92,230	2,164	455,927	3,403,446	36.9
45-49 years	0.030015	90,066	2,703	443,901	2,947,519	32.7
50-54 years	0.049142	87,363	4,293	426,638	2,503,618	28.7
55-59 years	0.057120	83,070	4,745	404,051	2,076,980	25.0
60-64 years	0.082516	78,325	6,463	376,046	1,672,929	21.4
65-69 years	0.105026	71,862	7,547	340,870	1,296,883	18.0
70-74 years	0.154691	64,315	9,949	297,016	956,013	14.9
75-79 years	0.201942	54,366	10,979	244,174	658,997	12.1
80-84 years	0.352480	43,387	15,293	177,634	414,823	9.6
85+ years	1.000000	28,094	28,094	237,189	237,189	8.4

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A26. Life Tables for American Indians and Alaska Natives, Males in Tucson Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.009864	100,000	986	99,155	6,933,175	69.3
1-4 years	0.001689	99,014	167	395,659	6,834,020	69.0
5-9 years	0.000000	98,847	0	494,235	6,438,361	65.1
10-14 years	0.000000	98,847	0	494,235	5,944,126	60.1
15-19 years	0.013318	98,847	1,316	491,302	5,449,891	55.1
20-24 years	0.018256	97,531	1,781	483,356	4,958,589	50.8
25-29 years	0.018876	95,750	1,807	474,354	4,475,233	46.7
30-34 years	0.013523	93,943	1,270	466,667	4,000,879	42.6
35-39 years	0.040584	92,673	3,761	454,280	3,534,212	38.1
40-44 years	0.044971	88,912	3,998	434,910	3,079,932	34.6
45-49 years	0.053477	84,914	4,541	413,769	2,645,022	31.1
50-54 years	0.089493	80,373	7,193	384,813	2,231,253	27.8
55-59 years	0.061719	73,180	4,517	355,144	1,846,440	25.2
60-64 years	0.086204	68,663	5,919	329,047	1,491,296	21.7
65-69 years	0.106069	62,744	6,655	297,460	1,162,249	18.5
70-74 years	0.152032	56,089	8,527	259,396	864,789	15.4
75-79 years	0.265065	47,562	12,607	206,053	605,393	12.7
80-84 years	0.285339	34,955	9,974	149,143	399,340	11.4
85+ years	1.000000	24,981	24,981	250,197	250,197	10.0

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A27. Life Tables for American Indians and Alaska Natives, Females in All 12 IHS Areas, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.007468	100,000	747	99,367	7,706,237	77.1
1-4 years	0.002619	99,253	260	396,376	7,606,870	76.6
5-9 years	0.001481	98,993	147	494,557	7,210,494	72.8
10-14 years	0.001465	98,846	145	493,902	6,715,937	67.9
15-19 years	0.005628	98,701	556	492,243	6,222,035	63.0
20-24 years	0.006746	98,145	662	489,171	5,729,792	58.4
25-29 years	0.008722	97,483	850	485,413	5,240,621	53.8
30-34 years	0.011065	96,633	1,069	480,628	4,755,208	49.2
35-39 years	0.015406	95,564	1,472	474,311	4,274,580	44.7
40-44 years	0.021096	94,092	1,985	465,758	3,800,269	40.4
45-49 years	0.024855	92,107	2,289	455,193	3,334,511	36.2
50-54 years	0.032274	89,818	2,899	442,281	2,879,318	32.1
55-59 years	0.044890	86,919	3,902	425,418	2,437,037	28.0
60-64 years	0.062249	83,017	5,168	402,810	2,011,619	24.2
65-69 years	0.094739	77,849	7,375	371,507	1,608,809	20.7
70-74 years	0.135431	70,474	9,544	329,352	1,237,302	17.6
75-79 years	0.180448	60,930	10,995	277,845	907,950	14.9
80-84 years	0.246598	49,935	12,314	219,300	630,105	12.6
85+ years	1.000000	37,621	37,621	410,805	410,805	10.9

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A28. Life Tables for American Indians and Alaska Natives, Females in Alaska Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.011040	100,000	1,104	99,064	7,482,762	74.8
1-4 years	0.002953	98,896	292	394,870	7,383,698	74.7
5-9 years	0.001670	98,604	165	492,562	6,988,828	70.9
10-14 years	0.001596	98,439	157	491,840	6,496,266	66.0
15-19 years	0.006819	98,282	670	489,890	6,004,426	61.1
20-24 years	0.007887	97,612	770	486,252	5,514,536	56.5
25-29 years	0.007970	96,842	772	482,392	5,028,284	51.9
30-34 years	0.017418	96,070	1,673	476,379	4,545,892	47.3
35-39 years	0.011700	94,397	1,104	469,354	4,069,513	43.1
40-44 years	0.028069	93,293	2,619	460,261	3,600,159	38.6
45-49 years	0.027830	90,674	2,523	447,482	3,139,898	34.6
50-54 years	0.038204	88,151	3,368	432,845	2,692,416	30.5
55-59 years	0.048644	84,783	4,124	414,216	2,259,571	26.7
60-64 years	0.067620	80,659	5,454	390,341	1,845,355	22.9
65-69 years	0.099346	75,205	7,471	358,057	1,455,014	19.3
70-74 years	0.124524	67,734	8,435	318,327	1,096,957	16.2
75-79 years	0.210839	59,299	12,503	266,014	778,630	13.1
80-84 years	0.260566	46,796	12,193	203,903	512,616	11.0
85+ years	1.000000	34,603	34,603	308,713	308,713	8.9

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A29. Life Tables for American Indians and Alaska Natives, Females in Albuquerque Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i>	<i>Proportion of persons alive at beginning of age interval dying during interval</i>	<i>Number of living at beginning of age interval</i>	<i>Number dying during age interval</i>	<i>Person-years lived in the age interval</i>	<i>Total number of person-years lived in this and all subsequent age intervals</i>	<i>Average number of years remaining at beginning of age interval</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)
x to x+n	nQx	lx	nDx	nLx	Tx	Ex
Under 1 year	0.004752	100,000	475	99,597	7,982,857	79.8
1-4 years	0.001574	99,525	157	397,716	7,883,260	79.2
5-9 years	0.001406	99,368	140	496,452	7,485,544	75.3
10-14 years	0.002340	99,228	232	495,616	6,989,092	70.4
15-19 years	0.004322	98,996	428	494,009	6,493,476	65.6
20-24 years	0.007199	98,568	710	491,173	5,999,467	60.9
25-29 years	0.008883	97,858	869	487,244	5,508,294	56.3
30-34 years	0.006198	96,989	601	483,518	5,021,050	51.8
35-39 years	0.017802	96,388	1,716	477,850	4,537,532	47.1
40-44 years	0.013809	94,672	1,307	470,264	4,059,682	42.9
45-49 years	0.021116	93,365	1,972	462,223	3,589,418	38.4
50-54 years	0.020080	91,393	1,835	452,655	3,127,195	34.2
55-59 years	0.033256	89,558	2,978	440,786	2,674,540	29.9
60-64 years	0.048766	86,580	4,222	422,872	2,233,754	25.8
65-69 years	0.078582	82,358	6,472	396,224	1,810,882	22.0
70-74 years	0.123953	75,886	9,406	356,745	1,414,658	18.6
75-79 years	0.152209	66,480	10,119	307,731	1,057,913	15.9
80-84 years	0.241618	56,361	13,618	248,213	750,182	13.3
85+ years	1.000000	42,743	42,743	501,969	501,969	11.7

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A30. Life Tables for American Indians and Alaska Natives, Females in Bemidji Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.007840	100,000	784	99,335	7,355,260	73.6
1-4 years	0.002698	99,216	268	396,208	7,255,925	73.1
5-9 years	0.001833	98,948	181	494,238	6,859,717	69.3
10-14 years	0.000000	98,767	0	493,835	6,365,479	64.4
15-19 years	0.004632	98,767	457	492,798	5,871,644	59.4
20-24 years	0.009090	98,310	894	489,451	5,378,846	54.7
25-29 years	0.009278	97,416	904	484,951	4,889,395	50.2
30-34 years	0.016830	96,512	1,624	478,705	4,404,444	45.6
35-39 years	0.014190	94,888	1,346	471,232	3,925,739	41.4
40-44 years	0.027368	93,542	2,560	461,646	3,454,507	36.9
45-49 years	0.022503	90,982	2,047	450,133	2,992,861	32.9
50-54 years	0.039443	88,935	3,508	436,436	2,542,728	28.6
55-59 years	0.060216	85,427	5,144	415,037	2,106,292	24.7
60-64 years	0.080294	80,283	6,446	386,104	1,691,255	21.1
65-69 years	0.133544	73,837	9,860	345,471	1,305,151	17.7
70-74 years	0.170809	63,977	10,928	293,529	959,680	15.0
75-79 years	0.249863	53,049	13,255	232,931	666,151	12.6
80-84 years	0.348239	39,794	13,858	164,786	433,220	10.9
85+ years	1.000000	25,936	25,936	268,434	268,434	10.3

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A31. Life Tables for American Indians and Alaska Natives, Females in Billings Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.008742	100,000	874	99,259	7,258,806	72.6
1-4 years	0.002869	99,126	284	395,809	7,159,547	72.2
5-9 years	0.001506	98,842	149	493,797	6,763,738	68.4
10-14 years	0.005604	98,693	553	492,216	6,269,941	63.5
15-19 years	0.008065	98,140	791	488,905	5,777,725	58.9
20-24 years	0.012258	97,349	1,193	483,944	5,288,820	54.3
25-29 years	0.014056	96,156	1,352	477,596	4,804,876	50.0
30-34 years	0.019956	94,804	1,892	469,529	4,327,280	45.6
35-39 years	0.028072	92,912	2,608	458,344	3,857,751	41.5
40-44 years	0.023908	90,304	2,159	446,406	3,399,407	37.6
45-49 years	0.039099	88,145	3,446	432,683	2,953,001	33.5
50-54 years	0.033718	84,699	2,856	416,787	2,520,318	29.8
55-59 years	0.052801	81,843	4,321	399,052	2,103,531	25.7
60-64 years	0.083805	77,522	6,497	372,178	1,704,479	22.0
65-69 years	0.113775	71,025	8,081	335,689	1,332,301	18.8
70-74 years	0.139999	62,944	8,812	293,467	996,612	15.8
75-79 years	0.213349	54,132	11,549	242,505	703,145	13.0
80-84 years	0.292387	42,583	12,451	182,202	480,640	10.8
85+ years	1.000000	30,132	30,132	278,438	278,438	9.2

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A32. Life Tables for American Indians and Alaska Natives, Females in California Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.006672	100,000	667	99,434	8,045,766	80.5
1-4 years	0.003355	99,333	333	396,517	7,946,332	80.0
5-9 years	0.001034	99,000	102	494,717	7,549,815	76.3
10-14 years	0.001580	98,898	156	494,138	7,055,098	71.3
15-19 years	0.005276	98,742	521	492,528	6,560,960	66.4
20-24 years	0.004862	98,221	478	489,983	6,068,432	61.8
25-29 years	0.009001	97,743	880	486,643	5,578,449	57.1
30-34 years	0.007626	96,863	739	482,561	5,091,806	52.6
35-39 years	0.009511	96,124	914	478,441	4,609,245	48.0
40-44 years	0.017874	95,210	1,702	472,018	4,130,804	43.4
45-49 years	0.018844	93,508	1,762	463,428	3,658,786	39.1
50-54 years	0.025217	91,746	2,314	453,295	3,195,358	34.8
55-59 years	0.039983	89,432	3,576	438,750	2,742,063	30.7
60-64 years	0.050059	85,856	4,298	419,071	2,303,313	26.8
65-69 years	0.084138	81,558	6,862	391,286	1,884,242	23.1
70-74 years	0.112628	74,696	8,413	353,190	1,492,956	20.0
75-79 years	0.155563	66,283	10,311	306,278	1,139,766	17.2
80-84 years	0.217916	55,972	12,197	249,773	833,488	14.9
85+ years	1.000000	43,775	43,775	583,715	583,715	13.3

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A33. Life Tables for American Indians and Alaska Natives, Females in Great Plains Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.011560	100,000	1,156	99,020	7,325,226	73.3
1-4 years	0.001035	98,844	102	395,126	7,226,206	73.1
5-9 years	0.000781	98,742	77	493,496	6,831,080	69.2
10-14 years	0.001927	98,665	190	492,896	6,337,584	64.2
15-19 years	0.008011	98,475	789	490,585	5,844,688	59.4
20-24 years	0.005985	97,686	585	487,057	5,354,103	54.8
25-29 years	0.005577	97,101	542	484,229	4,867,046	50.1
30-34 years	0.013323	96,559	1,286	479,742	4,382,817	45.4
35-39 years	0.019548	95,273	1,862	471,927	3,903,075	41.0
40-44 years	0.026536	93,411	2,479	461,183	3,431,148	36.7
45-49 years	0.025262	90,932	2,297	449,299	2,969,965	32.7
50-54 years	0.043450	88,635	3,851	434,130	2,520,666	28.4
55-59 years	0.059880	84,784	5,077	411,979	2,086,536	24.6
60-64 years	0.096172	79,707	7,666	380,327	1,674,557	21.0
65-69 years	0.145478	72,041	10,480	335,000	1,294,230	18.0
70-74 years	0.178478	61,561	10,987	281,307	959,230	15.6
75-79 years	0.201577	50,574	10,195	228,016	677,923	13.4
80-84 years	0.278542	40,379	11,247	174,152	449,907	11.1
85+ years	1.000000	29,132	29,132	275,755	275,755	9.5

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A34. Life Tables for American Indians and Alaska Natives, Females in Nashville Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.008674	100,000	867	99,265	8,407,614	84.1
1-4 years	0.002461	99,133	244	395,935	8,308,349	83.8
5-9 years	0.000000	98,889	0	494,445	7,912,414	80.0
10-14 years	0.000357	98,889	35	494,366	7,417,969	75.0
15-19 years	0.001939	98,854	192	493,834	6,923,603	70.0
20-24 years	0.006623	98,662	653	491,777	6,429,769	65.2
25-29 years	0.006525	98,009	639	488,540	5,937,992	60.6
30-34 years	0.005056	97,370	492	485,682	5,449,452	56.0
35-39 years	0.009702	96,878	940	482,149	4,963,770	51.2
40-44 years	0.012367	95,938	1,186	476,881	4,481,621	46.7
45-49 years	0.017776	94,752	1,684	469,830	4,004,740	42.3
50-54 years	0.023749	93,068	2,210	460,149	3,534,910	38.0
55-59 years	0.032242	90,858	2,929	447,401	3,074,761	33.8
60-64 years	0.052469	87,929	4,614	428,686	2,627,360	29.9
65-69 years	0.074188	83,315	6,181	401,709	2,198,674	26.4
70-74 years	0.101519	77,134	7,831	366,783	1,796,965	23.3
75-79 years	0.142268	69,303	9,860	322,477	1,430,182	20.6
80-84 years	0.149798	59,443	8,904	275,251	1,107,705	18.6
85+ years	1.000000	50,539	50,539	832,454	832,454	16.5

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A35. Life Tables for American Indians and Alaska Natives, Females in Navajo Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.006247	100,000	625	99,470	8,065,677	80.7
1-4 years	0.002715	99,375	270	396,840	7,966,207	80.2
5-9 years	0.000793	99,105	79	495,306	7,569,367	76.4
10-14 years	0.001373	99,026	136	494,823	7,074,061	71.4
15-19 years	0.004628	98,890	458	493,411	6,579,238	66.5
20-24 years	0.005261	98,432	518	490,944	6,085,827	61.8
25-29 years	0.007730	97,914	757	487,787	5,594,883	57.1
30-34 years	0.008626	97,157	838	483,796	5,107,096	52.6
35-39 years	0.013954	96,319	1,344	478,391	4,623,300	48.0
40-44 years	0.019986	94,975	1,898	470,379	4,144,909	43.6
45-49 years	0.019363	93,077	1,802	461,179	3,674,530	39.5
50-54 years	0.018209	91,275	1,662	452,472	3,213,351	35.2
55-59 years	0.029105	89,613	2,608	441,931	2,760,879	30.8
60-64 years	0.040917	87,005	3,560	426,569	2,318,948	26.7
65-69 years	0.056148	83,445	4,685	405,957	1,892,379	22.7
70-74 years	0.097098	78,760	7,647	375,357	1,486,422	18.9
75-79 years	0.133912	71,113	9,523	332,349	1,111,065	15.6
80-84 years	0.194618	61,590	11,987	278,381	778,716	12.6
85+ years	1.000000	49,603	49,603	500,335	500,335	10.1

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A36. Life Tables for American Indians and Alaska Natives, Females in Oklahoma Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years (1)</i>	<i>Proportion of persons alive at beginning of age interval dying during interval (2)</i>	<i>Number of living at beginning of age interval (3)</i>	<i>Number dying during age interval (4)</i>	<i>Person-years lived in the age interval (5)</i>	<i>Total number of person-years lived in this and all subsequent age intervals (6)</i>	<i>Average number of years remaining at beginning of age interval (7)</i>
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.006717	100,000	672	99,430	7,395,303	74.0
1-4 years	0.004420	99,328	439	396,238	7,295,873	73.5
5-9 years	0.003205	98,889	317	493,566	6,899,635	69.8
10-14 years	0.001622	98,572	160	492,499	6,406,069	65.0
15-19 years	0.007471	98,412	735	490,392	5,913,570	60.1
20-24 years	0.007991	97,677	781	486,552	5,423,178	55.5
25-29 years	0.012669	96,896	1,228	481,588	4,936,626	50.9
30-34 years	0.014375	95,668	1,375	475,076	4,455,038	46.6
35-39 years	0.021025	94,293	1,983	466,738	3,979,962	42.2
40-44 years	0.025659	92,310	2,369	455,938	3,513,224	38.1
45-49 years	0.030916	89,941	2,781	443,215	3,057,286	34.0
50-54 years	0.042110	87,160	3,670	427,180	2,614,071	30.0
55-59 years	0.054508	83,490	4,551	406,746	2,186,891	26.2
60-64 years	0.076324	78,939	6,025	380,384	1,780,145	22.6
65-69 years	0.113336	72,914	8,264	344,694	1,399,761	19.2
70-74 years	0.158281	64,650	10,233	298,570	1,055,067	16.3
75-79 years	0.209829	54,417	11,418	244,249	756,497	13.9
80-84 years	0.279423	42,999	12,015	185,357	512,248	11.9
85+ years	1.000000	30,984	30,984	326,891	326,891	10.6

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A37. Life Tables for American Indians and Alaska Natives, Females in Phoenix Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.006094	100,000	609	99,484	7,932,225	79.3
1-4 years	0.001512	99,391	150	397,197	7,832,741	78.8
5-9 years	0.000691	99,241	69	496,014	7,435,544	74.9
10-14 years	0.001154	99,172	114	495,603	6,939,530	70.0
15-19 years	0.004458	99,058	442	494,287	6,443,927	65.1
20-24 years	0.005178	98,616	511	491,880	5,949,640	60.3
25-29 years	0.006703	98,105	658	488,976	5,457,760	55.6
30-34 years	0.008189	97,447	798	485,341	4,968,784	51.0
35-39 years	0.015163	96,649	1,465	479,753	4,483,443	46.4
40-44 years	0.014826	95,184	1,411	472,578	4,003,690	42.1
45-49 years	0.024905	93,773	2,335	463,416	3,531,112	37.7
50-54 years	0.028434	91,438	2,600	451,084	3,067,696	33.5
55-59 years	0.040458	88,838	3,594	435,737	2,616,612	29.5
60-64 years	0.047293	85,244	4,031	416,645	2,180,875	25.6
65-69 years	0.088990	81,213	7,227	388,683	1,764,230	21.7
70-74 years	0.123041	73,986	9,103	347,976	1,375,547	18.6
75-79 years	0.152776	64,883	9,913	300,248	1,027,571	15.8
80-84 years	0.223037	54,970	12,260	244,608	727,323	13.2
85+ years	1.000000	42,710	42,710	482,715	482,715	11.3

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.

**Table A38. Life Tables for American Indians and Alaska Natives, Females in Portland Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.007219	100,000	722	99,388	7,689,646	76.9
1-4 years	0.001650	99,278	164	396,711	7,590,258	76.5
5-9 years	0.001561	99,114	155	495,140	7,193,547	72.6
10-14 years	0.000890	98,959	88	494,596	6,698,407	67.7
15-19 years	0.005105	98,871	505	493,209	6,203,811	62.7
20-24 years	0.005891	98,366	579	490,471	5,710,602	58.1
25-29 years	0.005842	97,787	571	487,590	5,220,131	53.4
30-34 years	0.010425	97,216	1,013	483,675	4,732,541	48.7
35-39 years	0.011750	96,203	1,130	478,322	4,248,866	44.2
40-44 years	0.020861	95,073	1,983	470,668	3,770,544	39.7
45-49 years	0.027583	93,090	2,568	459,457	3,299,876	35.4
50-54 years	0.036181	90,522	3,275	444,918	2,840,419	31.4
55-59 years	0.044536	87,247	3,886	427,095	2,395,501	27.5
60-64 years	0.061016	83,361	5,086	404,725	1,968,406	23.6
65-69 years	0.090351	78,275	7,072	374,366	1,563,681	20.0
70-74 years	0.159996	71,203	11,392	328,540	1,189,315	16.7
75-79 years	0.188397	59,811	11,268	271,585	860,775	14.4
80-84 years	0.271326	48,543	13,171	210,226	589,190	12.1
85+ years	1.000000	35,372	35,372	378,964	378,964	10.7

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.



**Table A39. Life Tables for American Indians and Alaska Natives, Females in Tucson Area, 2007-2009 (Adjusted<sup>1/</sup>)**

<i>Period of life between two exact ages stated in years</i> (1)	<i>Proportion of persons alive at beginning of age interval dying during interval</i> (2)	<i>Number of living at beginning of age interval</i> (3)	<i>Number dying during age interval</i> (4)	<i>Person-years lived in the age interval</i> (5)	<i>Total number of person-years lived in this and all subsequent age intervals</i> (6)	<i>Average number of years remaining at beginning of age interval</i> (7)
<b>x to x+n</b>	<b>nQx</b>	<b>lx</b>	<b>nDx</b>	<b>nLx</b>	<b>Tx</b>	<b>Ex</b>
Under 1 year	0.005805	100,000	581	99,507	7,704,355	77.0
1-4 years	0.002618	99,419	260	397,040	7,604,848	76.5
5-9 years	0.002048	99,159	203	495,232	7,207,808	72.7
10-14 years	0.000000	98,956	0	494,780	6,712,576	67.8
15-19 years	0.005917	98,956	586	493,450	6,217,796	62.8
20-24 years	0.006833	98,370	672	490,272	5,724,346	58.2
25-29 years	0.009483	97,698	926	486,309	5,234,074	53.6
30-34 years	0.009455	96,772	915	481,688	4,747,765	49.1
35-39 years	0.016007	95,857	1,534	475,629	4,266,077	44.5
40-44 years	0.026686	94,323	2,517	465,653	3,790,448	40.2
45-49 years	0.025718	91,806	2,361	453,520	3,324,795	36.2
50-54 years	0.048423	89,445	4,331	437,053	2,871,275	32.1
55-59 years	0.056050	85,114	4,771	414,349	2,434,222	28.6
60-64 years	0.060645	80,343	4,872	390,143	2,019,873	25.1
65-69 years	0.075717	75,471	5,714	363,612	1,629,730	21.6
70-74 years	0.163062	69,757	11,375	321,351	1,266,118	18.2
75-79 years	0.176788	58,382	10,321	266,748	944,767	16.2
80-84 years	0.230143	48,061	11,061	213,020	678,019	14.1
85+ years	1.000000	37,000	37,000	464,999	464,999	12.6

<sup>1/</sup> Counts of death by age, sex, and IHS area of residence were adjusted to compensate for misreporting of AI/AN race on the state death certificate.